

ROTARY CAM SWITCHES AND SWITCH DISCONNECTORS




electric
ENERGY AND AUTOMATION

SADRŽAJ CONTENTS

GREBENASTE SKLOPKE ROTARY CAM SWITCHES	1
Serije grebenastih sklopki <i>Series of cam switches</i>	2
Standardni oblici ugradnje <i>Standard mounting forms</i>	2
Ugradne veličine <i>Mounting sizes</i>	3
Serija GN – Tehnički podaci <i>Series GN – Technical data</i>	4
Serija GN – Mjerne skice <i>Series GN – Dimensional drawings</i>	5
Serija GX – Tehnički podaci <i>Series GX – Technical data</i>	6
Serija GX – Mjerne skice <i>Series GX – Dimensional drawings</i>	7
Serija GF – Tehnički podaci <i>Series GF – Technical data</i>	8
Serija GF – Mjerne skice <i>Series GF – Dimensional drawings</i>	9
Serija G/4G – Tehnički podaci <i>Series G/4G – Technical data</i>	10
Serija G/4G – Mjerne skice <i>Series G/4G – Dimensional drawings</i>	11
Sklopka u plastičnom kućištu <i>Switch in plastic enclosure</i>	12
Sklopka u limenom kućištu <i>Switch in steel enclosure</i>	13
Potvrde <i>Approvals</i>	13
Narudžbeni kod <i>Ordering code</i>	14
Izbor kućišta <i>Enclosure selection</i>	16
Posebne izvedbe <i>Optional extras</i>	17
Rezervni dijelovi <i>Accessories</i>	61
DIJAGRAMI SKLAPANJA SWITCHING DIAGRAMS	68
GREBENASTA SKLOPKA GA20 ROTARY CAM SWITCH GA20	113
RASTAVNE SKLOPKE SERIJE CS SWITCH DISCONNECTORS SERIES CS	117
Tehnički podaci <i>Technical data</i>	119
Mjerne skice <i>Dimensional drawings</i>	120
Narudžbeni kod <i>Ordering code</i>	122
Standardni oblici ugradnje <i>Standard mounting forms</i>	123
Posebne izvedbe <i>Optional extras</i>	124
Prigradnje <i>Accessories</i>	136
Rezervni dijelovi <i>Accessories</i>	138
RASTAVNE SKLOPKE ZA FOTONAPONSKE SUSTAVE SWITCH-DISCONNECTORS FOR PHOTOVOLTAIC LOADS	141
Tehnički podaci <i>Technical data</i>	142
Mjerne skice <i>Dimensional drawings</i>	143
TEHNIČKE INFORMACIJE TECHNICAL INFORMATION	145



GREBENASTE SKLOPKE

Grebenaste sklopke razvijene su prema suvremenim principima i dostignućima na području sklopnih aparata uz upotrebu visokokvalitetnih izolacijskih materijala i kontakata od srebrnih legura. Odlikuju se visokim sklopnim moćima, električnom i mehaničkom trajnošću kao i malim dimenzijama.

Grebenaste sklopke imaju višestruku primjenu za sklapanje u glavnim i pomoćnim strujnim krugovima:

- kao motorske sklopke mogu pogonski sigurno sklapati, upravljati i pokretati trofazne i jednofazne motore, a mogu se izvesti kao: preklopka zvijezda - trokut, preklopka za reverziranje, preklopka za motore s više brzina itd.
- u pomoćnim strujnim krugovima sastavljaju se prema željenom programu sklapanja: sklopke za upravljačke, signalne i mjerne krugove
- sklopke, preklopke i stepenaste sklopke npr. za transformatore i aparate za zavarivanje
- grupne sklopke npr. za sklapanje otpornika, grijača i rasvjete
- zakretna tipkala s automatskim povratom

Sklopke mogu imati najviše 12 upravljačkih položaja, a mogu se izvesti s kutem zakreta od 30°, 45°, 60° i 90°.

Kod sklopki s povećanim momentom prekreta (veliki broj elemenata sa specifičnim programom sklapanja, tipkala s većim brojem kontakata) u cilju sigurnijeg rada koriste se sklopke s većim razdjelnim uređajima i prednjim sklopom koje imaju **oznaku B** (npr. GN20B).

Kod sklopki gdje se traži samo prednji sklop veći od standardnog, sklopke imaju **oznaku H** (npr. GN20H).

Ako se sklopke koriste za napone niže od 24V i male struje reda mA, u uvjetima prašnjave i agresivne atmosfere, tada se mogu izraditi s pozlaćenim kontaktima - sklopke imaju **oznaku G** (npr. GN20G)

Sklopke se mogu koristiti pri temperaturama okoline od - 25 °C do + 55 °C (na zahtjev od - 50 °C do + 60 °C).

Osim standardnih izvedbi (ugradna-U, odvojena-O, plastično kućište-P, limeno kućište-L), sklopke mogu biti isporučene sa čitavim nizom posebnih izvedbi te kao takove mogu ispuniti sve zahtjeve u najsloženijim postrojenjima i uređajima.

Grebenaste sklopke udovoljavaju mnogim internacionalnim i nacionalnim propisima.

ROTARY CAM SWITCHES

Rotary cam switches have been designed on modern principles taking into consideration the latest achievements in the field of switching devices through the application of high quality insulation materials and contacts made with silver alloys.

Their advantages are: high making and breaking capacities, electrical and mechanical endurance and small dimensions. The rotary cam switches are intended for multiple switching operations in main as well as in auxiliary circuits:

- as motor switches they are designed for direct-online starting and stopping of single-phase and three-phase motors. They also come out as star-delta switches, reversing switches, pole-change over motor switches
- in auxiliary circuits they are assembled in compliance with the switching program according to preference: switches for control, signalling and measuring circuits:
- switches, selector switches and step switches e.g. for transformers and welding apparatuses
- group switches e.g. for switching operations of resistors, heaters and lighting
- control switch with automatic return

The rotary cam switches can have 12 control positions maximum and can be made with turning angle of 30°, 45°, 60° and 90°.

At the switches with the increased turn-over moment (large number of elements with specific switching diagram, switch with automatic return with larger number of contacts), due to more reliable operation, the switches with the bigger distribution device and front part, **marked with B**, are used (e.g. GN20B).

At the switches where is only front part bigger than standard size required, the switches are **marked with H** (e.g. GN20H).

When the switches are used at lower voltages than 24 V and currents of mA in dusty and aggressive environment, the contacts can be gold-plated - the switches are **marked with G** (e.g. GN20G)

The switches can be used at the environment temperature from - 25 °C to + 55 °C (on request from - 50 °C to + 60 °C).

Besides the standard mounting forms (front mounting-U, rear mounting-O, plastic enclosure-P, steel enclosure-L) the switches are available with a large number of optional extras and they comply with all requirements in the most complicated plants and devices. Rotary cam switches comply with many international and national standards.

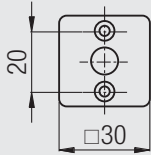
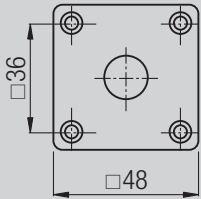
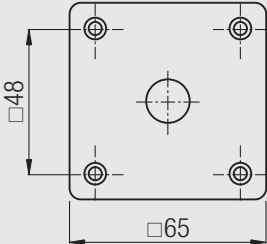
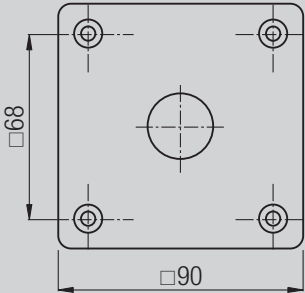
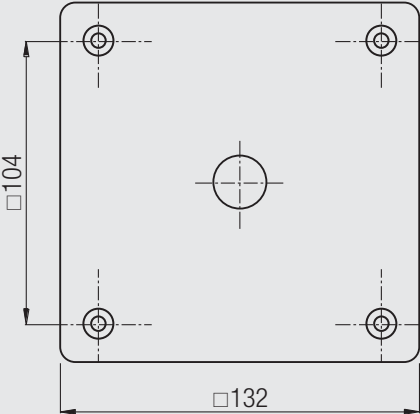
SERIJE GREBENASTIH SKLOPKI *SERIES OF CAM SWITCHES*

GN	GX	GF	G/4G
			
16 - 125A	16 - 40A	10 - 20A	200 - 2000A
- Veliki broj posebnih izvedbi - Šest dimenzijskih veličina - Wide range of optional extras - Six different frame sizes	- Modernog četvrtastog oblika - Olakšano ožičavanje sklopke - Zaštita od dodira priklj. stezaljki - Modern squared design - Easier wiring of the switch - Protection of inadvertent touch	- Reducirane dimenzije sklopke - Zaštita od dodira priklj. stezaljki - Reduced size of the switch - Protection of inadvertent touch	- Robustna sklopka - Robust switch

STANDARDNI OBLICI UGRADNJE *STANDARD MOUNTING FORMS*

Oblik ugradnje <i>Mounting form</i>	Oznaka <i>Marking</i>	Zaštita / <i>Protection</i>			Veličina <i>Size</i>	Izgled <i>Outlook</i>
		Prednja <i>Front</i>	Stražnja <i>Rear</i>			
Ugradna sklopka <i>Front mounting</i>	U	IP 40	GX/GF IP 20	GN/G/4G IP 00	A00 A0 A1 A2 A3	
Ugradna sklopka s većim prednjim sklopom <i>Front mounting with the bigger front part i.e. mounting size</i>	U	IP 40	IP 20	IP 00	A1 A2	
Sklopka za odvojenu ugradnju <i>Rear mounting</i>	O	IP 40	IP 20	IP 00	A0 A1 A2 A3	
Sklopka za odvojenu ugradnju s većim prednjim sklopom <i>Rear mounting with the bigger front part i.e. mounting size</i>	O	IP 40	IP 20	IP 00	A1 A2	
Sklopka u plastičnom kućištu <i>Switch in plastic enclosure</i>	P	IP65			A0 A1 A2	
Sklopka u limenom kućištu <i>Switch in steel enclosure</i>	L	IP54			A3	

UGRADNE VELIČINE *MOUNTING SIZES*

Veličina Size	Ugradne dimenzije Mounting dimensions (mm)	Standardne ručice Standard handles	Tip / Type				Termička struja Thermal current (A)	AC3 3 x 380/400 V (kW)	AC23 3 x 380/400 V (kW)
			GN	GX	GF	G/4G			
A00					GF10 GF20R		10 20	2,2 5	3 7,5
A0			GN12		GF10H GX16 GF20		10 16 16 20 20 25	2,2 4 4,5 5 5,5 7,5	3 6 6,5 7,5 7,5 11
A1		 	GN12H				16	4	6
				GX16H			16	4,5	6,5
			GN20H	GX20H			20	5,5	7,5
					GF20H		20	5	7,5
			GN25H				25	7,5	11
			GN32	GX32			32	11	15
			GN40	GX40			40	15	18,5
			GN63				63	18,5	30
A2		 	GN32H	GX32H			32	11	15
			GN40H	GX40H			40	15	18,5
			GN63H				63	18,5	30
			GN125				125	37	45
A3		  					4G200 G315 4G400 G630 G900 G1200 G1600 G2000	200 315 400 630 900 1200 1600 2000	47 55 47 - - - - - 110 110 110 110 110

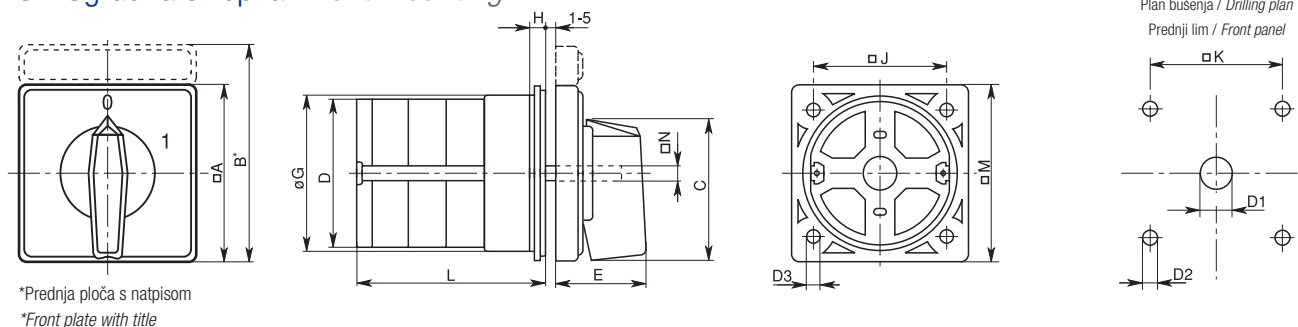
SERIJA SERIES GN

Serijska <i>SERIES</i> GN				GN12 GN12H	GN20 GN20H	GN25 GN25H	GN32 GN32H	GN40 GN40H	GN63 GN63H	GN125	
Nazivni izolacijski napon <i>Rated insulation voltage</i>	U _i	IEC/VDE/BS	V	690	690	690	690	690	690	690	
		UL/CSA	V	600	600	600	600	600	600	600	
Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>	U _{imp}	IEC-60947 (III/3)	kV	6	6	6	6	6	6	8	
Nazivna termička struja <i>Rated thermal current</i>	I _{th}	IEC/VDE/BS	A	16	20	25	32	40	63	125	
		UL/CSA	A	15	20	30	40	50	60	130	
Glavna sklopka	Najveća vrijednost nazivnog pogonskog napona		V	480	480	480	480	480	480	690	
IEC-60947 (III/3) (1)	Max. value of rated operational voltage										
Main switch	Nazivni udarni podnosivi napon		kV	4	4	4	4	4	4	6	
	Rated impulse withstand voltage										
Max. veličina osigurača za zaštitu od kratkog spoja	I _n (gG/gL)	10 kA	A	16	20	25	32	40	63	125	
		25 kA	A	10	16	25	32	40	63	100	
Max. fuse size for short circuit protection		50 kA	A	-	-	-	32	40	63	100	
		63 kA	A	-	-	-	-	40	63	100	
Nazivna kratkotrajno podnosiva struja	I _{cw}	1 sec	A	200	250	400	800	1000	1600	2100	
		3 sec	A	120	150	250	400	600	800	1300	
		10 sec	A	70	80	150	250	300	400	700	
Rated short-time withstand current		30 sec	A	40	50	100	160	200	250	400	
		60 sec	A	30	40	80	125	130	160	300	
Nazivna pogonska struja <i>Rated operational current</i>	I _e	AC1/AC21A	A	16	20	25	32	40	63	125	
		IEC/VDE/BS									
		110 V	A	10	10	16	25	25	32	40	
		220/230 V	A	8	8	12	20	22	25	28	
		380/400 V	A	4	6	8	10	12	15	15	
		660/690 V	A	1,5	1,5	2	2	2	4	5	
Motorska sklopka za kategoriju upotrebe	AC3	IEC/VDE/BS	220/230 V	kW	2,5	3	5,5	7,5	8	11	18,5
		3 faze	380-440 V	kW	4	5,5	7,5	11	15	18,5	37
		3 phase	500-690 V	kW	5,5	5,5	7,5	11	15	18,5	33
Motor switch in utilization category	1 faza, 2 pola 1 phase, 2 pole	110 V	kW	0,8	0,8	1,5	2,2	3	3,7	5	
		220/230 V	kW	1,5	2,2	3	4	6,5	6,5	11	
		380-440 V	kW	2,2	3	5,5	6,5	8	11,5	15	
	AC23A	IEC/VDE/BS	220/230 V	kW	3	5	6,5	8	8	12,5	30
		3 faze	380-440 V	kW	5,5	7,5	11	15	18,5	30	45
		3 phase	500-690 V	kW	7,5	7,5	11	18,5	22	30	37
	1 faza, 2 pola 1 phase, 2 pole	110 V	kW	0,8	0,8	1,5	2,2	3	3,7	5	
		220/230 V	kW	1,7	2,5	3,7	4	6	7,5	11	
		380-440 V	kW	3	3,7	5,5	7,5	11	12,5	15	
Motorska sklopka	DOL	UL/CSA	120 V	HP	1,5	1,5	3	5	5	7,5	15
3 faze		240 V	HP	3	3	5	10	10	15	25	
3 phase		480 V	HP	-	-	10	15	20	25	50	
		600 V	HP	-	-	15	15	20	25	40	
Prekidanje kod istosmjerne struje	DC21A	T = 1 ms	48 V	A	12	20	25	32	40	63	125
		Nazivna struja	60 V	A	12	20	25	32	40	50	80
		Rated current	110 V	A	4	4	4	6	6	8	10
DC Switching capacity	za 1 kontakt for 1 contact	220 V	A	0,6	0,6	0,7	0,9	0,9	1	1,2	
		440 V	A	0,25	0,25	-	-	-	-	-	
	DC23	T = 15 ms	24 V	A	10(1)	20(1)	25(1)	32(1)	40(1)	50(1)	125(1)
		Nazivna struja	48 V	A	10(2)	20(2)	25(2)	32(2)	40(2)	50(2)	125(2)
		Rated current	60 V	A	10(3)	20(3)	25(3)	32(3)	40(3)	50(3)	125(3)
	(Broj kontakata u seriji) (Number of series contacts)	110 V	A	5(3)	10(3)	12(3)	15(3)	20(3)	25(3)	50(3)	
		220 V	A	5(4)	8(4)	10(4)	12(4)	12(4)	15(4)	20(4)	
	DC13	T = 50 ms	48 V	A	10	16	20	25	32	40	100
		Nazivna struja	60 V	A	8	12	16	16	16	28	50
		Rated current	110 V	A	1	1	1,5	3	3	3,3	4
	za 1 kontakt for 1 contact	220 V	A	0,4	0,4	0,4	0,5	-	-	-	
		440 V	A	0,15	0,15	-	-	-	-	-	
Mehanička trajnost <i>Mechanical durability</i>	Broj uklopa <i>Switching cycles</i>				5 x 10 ⁶	5 x 10 ⁶	5 x 10 ⁶	5 x 10 ⁶	5 x 10 ⁶	1 x 10 ⁶	
Priključni vijak <i>Terminal screw</i>				M	3	3	3,5	4	4	5	2 x 5
Moment pritezanja priključnog vijka <i>Terminal tightening torque</i>	(IEC)			Nm	0,5	0,5	0,8	1,2	1,2	2	2
Presjek vodiča <i>Conductor size</i>	max. r/f			2 x $\frac{\text{mm}^2}{\text{AWG}}$	2,5/2,5 12/14	2,5/2,5 12/14	4/4 10/12	10/6 8/10	10/6 8/10	16/10 6/8	50/50 1/0 / 1/0
r = kruti, višezilni / rigid f = finožičani / flexible		min. r/f			2 x $\frac{\text{mm}^2}{\text{AWG}}$	0,5/0,5 20/20	0,5/0,5 20/20	0,5/0,5 20/20	1,5/1,5 16/16	1,5/1,5 16/16	2,5/2,5 14/14

(1) Vrijedi za mreže sa uzemljenim zvjezdastištem, prenaponska kategorija III, stupanj zagađenja 3 / Valid for neutral earthed systems, overvoltage category III, pollution degree 3

MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

U - Ugradna sklopka *Front mounting*

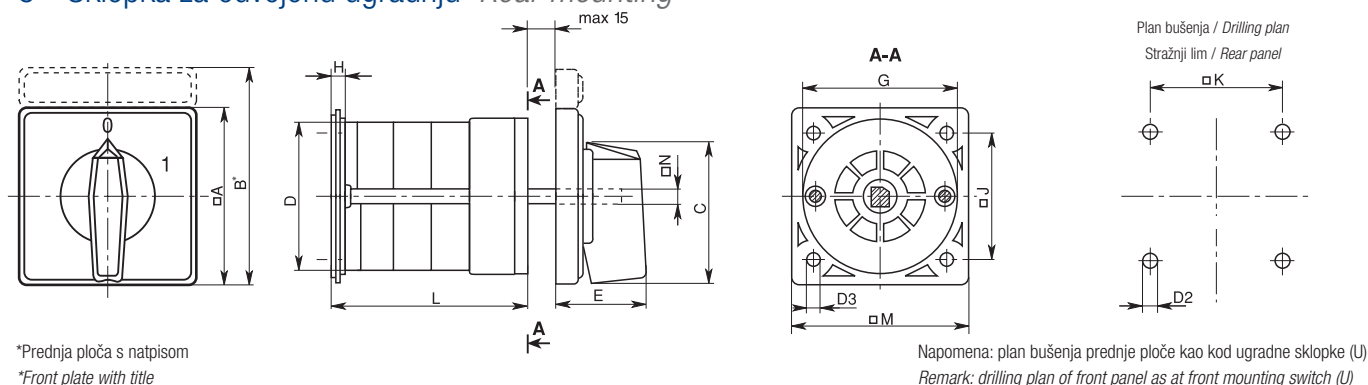


Tip/Type	Oznaka / Marking														Broj elemenata L Number of elements											
	A	B	C	ØD	ØD1	ØD2	ØD3	E	ØG	H	J	K	M	N	1	2	3	4	5	6	7	8	9	10	11	12
GN12	48	60	39,5	39	12	5	4,3	26,5	38	5	36	36	48	6	33,1	42,8	52,5	62,2	71,9	81,6	91,3	101	110,7	120,4	130,1	139,8
GN12H	65	80,5	53	39	12	5	4,3	34,5	38	5,5	48	48	65	6	33,6	43,3	53	62,7	72,4	82,1	91,8	101,5	111,2	120,9	130,6	140,3
GN20	48	60	39,5	39	12	5	4,3	26,5	38	5	36	36	48	6	33,1	42,8	52,5	62,2	71,9	81,6	91,3	101	110,7	120,4	130,1	139,8
GN20H	65	80,5	53	39	12	5	4,3	34,5	38	5,5	48	48	65	6	33,6	43,3	53	62,7	72,4	82,1	91,8	101,5	111,2	120,9	130,6	140,3
GN25	48	60	39,5	43	12	5	4,3	26,5	38	5	36	36	48	6	37,5	51,1	64,7	78,3	91,9	105,5	119,1	132,7	146,3	159,9	173,5	187,1
GN25H	65	80,5	53	43	12	5	4,3	34,5	38	5,5	48	48	65	6	38	51,6	65,2	78,8	92,4	106	119,6	133,2	146,8	160,4	174	187,6
GN32	65	80,5	53	58	14	5	4,3	34,5	58,5	5,5	48	48	65	7	43,5	58,6	73,7	88,8	103,9	119	134,1	149,2	164,3	179,4	194,5	209,6
GN32H	90	110	70,5	58	14	6	5,3	41,5	58,5	7,5	68	68	90	7	44,2	59,3	74,4	89,5	104,6	119,7	134,8	149,9	165	180,1	195,2	210,3
GN40	65	80,5	53	58	14	5	4,3	34,5	58,5	5,5	48	48	65	7	43,5	58,6	73,7	88,8	103,9	119	134,1	149,2	164,3	179,4	194,5	209,6
GN40H	90	110	70,5	58	14	6	5,3	41,5	58,5	7,5	68	68	90	7	44,2	59,3	74,4	89,5	104,6	119,7	134,8	149,9	165	180,1	195,2	210,3
GN63	65	80,5	53	62	14	5	4,3	34,5	58,5	5,5	48	48	65	7	47,3	65,4	83,5	101,6	119,7	137,8	155,9	174	192,1	210,2	228,3	246,4
GN63H	90	110	70,5	62	14	6	5,3	41,5	58,5	7,5	68	68	90	7	48	66,1	84,2	102,3	120,4	138,5	156,6	174,7	192,8	210,9	229	247,1
GN125	90	110	70,5	86	16	6	5,3	41,5	84	7,5	68	68	90	9	67,3	96,4	125,5	154,6	183,7	220,3	249,4	278,5	307,6	336,7	365,8	394,9

Napomena: kod sklopke GN125 sa 6 i više elemenata ugrađujemo prednju ploču i straga

Remark: at the switch GN125 with 6 and more elements the front plate is mounted also at the back side

O - Sklopka za odvojenu ugradnju *Rear mounting*



Tip/Type	Oznaka / Marking													Broj elemenata												L		Number of elements					
	□A	B	C	∅D	∅D2	∅D3	E	∅G	H	□J	□K	□M	□N	1	2	3	4	5	6	7	8	9	10	11	12								
GN12	48	60	39,5	39	5	4,3	26,5	38	5	36	36	48	6	38,1	47,8	57,5	67,2	76,9	86,6	96,3	106	115,7	125,4	135,1	144,8								
GN12H	65	80,5	53	39	5	4,3	34,5	38	5,5	48	48	65	6	38,6	48,3	58	67,7	77,4	87,1	96,8	106,5	116,2	125,9	135,6	145,3								
GN20	48	60	39,5	39	5	4,3	26,5	38	5	36	36	48	6	38,1	47,8	57,5	67,2	76,9	86,6	96,3	106	115,7	125,4	135,1	144,8								
GN20H	65	80,5	53	39	5	4,3	34,5	38	5,5	48	48	65	6	38,6	48,3	58	67,7	77,4	87,1	96,8	106,5	116,2	125,9	135,6	145,3								
GN25	48	60	39,5	43	5	4,3	26,5	38	5	36	36	48	6	42,5	56,1	69,7	83,3	96,9	110,5	124,1	137,7	151,3	164,9	178,5	192,1								
GN25H	65	80,5	53	43	5	4,3	34,5	38	5,5	48	48	65	6	43	56,6	70,2	83,8	97,4	111	124,6	138,2	151,8	165,4	179	192,6								
GN32	65	80,5	53	58	5	4,3	34,5	58,5	5,5	48	48	65	7	48,5	63,6	78,7	93,8	108,9	124	139,1	154,2	169,3	184,4	199,5	214,6								
GN32H	90	110	70,5	58	6	5,3	41,5	58,5	7,5	68	68	90	7	49,2	64,3	79,4	94,5	109,6	124,7	139,8	154,9	170	185,1	200,2	215,3								
GN40	65	80,5	53	58	5	4,3	34,5	58,5	5,5	48	48	65	7	48,5	63,6	78,7	93,8	108,9	124	139,1	154,2	169,3	184,4	199,5	214,6								
GN40H	90	110	70,5	58	6	5,3	41,5	58,5	7,5	68	68	90	7	49,2	64,3	79,4	94,5	109,6	124,7	139,8	154,9	170	185,1	200,2	215,3								
GN63	65	80,5	53	62	6	5,3	34,5	58,5	7,5	68	68	90	7	53,3	71,4	89,5	107,6	125,7	143,8	161,9	180	198,1	216,2	234,3	252,4								
GN63H	90	110	70,5	62	6	5,3	41,5	58,5	7,5	68	68	90	7	53,3	71,4	89,5	107,6	125,7	143,8	161,9	180	198,1	216,2	234,3	252,4								
GN125	90	110	70,5	86	6	5,3	41,5	84	7,5	68	68	90	9	74,8	103,9	133	162,1	191,2	220,3	249,4	278,5	307,6	336,7	365,8	394,9								

Napomena: kod sklopke GN125 sa 6 i više elemenata ugrađujemo prednju ploču i srijeda

Remark: at the switch GN125 with 6 and more elements the front plate is mounted also at the front side

B - Sklopka s većim razdjelnim uređajem *Switch with bigger distribution device*

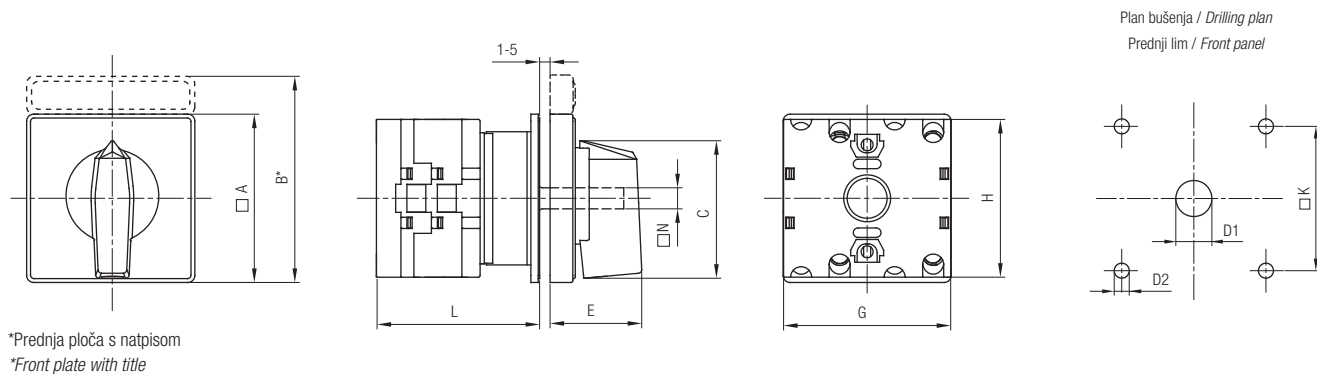
Tip/Type	Broj elemenata L Number of elements												Tip/Type	Broj elemenata L Number of elements											
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12
GN12B - U	39,8	49,5	59,2	68,9	78,6	88,3	98	107,7	117,4	127,1	136,9	146,5	GN12B - O	44,8	54,5	64,2	73,9	83,6	93,3	103	112,7	122,4	132,1	141,8	151,5
GN20B - U	39,8	49,5	59,2	68,9	78,6	88,3	98	107,7	117,4	127,1	136,9	146,5	GN20B - O	44,8	54,5	64,2	73,9	83,6	93,3	103	112,7	122,4	132,1	141,8	151,5
GN25B - U	44,2	57,8	71,4	85	98,6	112,2	125,8	139,4	153	166,6	180,2	193,8	GN25B - O	49,2	62,8	76,4	90	103,6	117,2	130,8	144,4	158	171,6	185,2	198,8
GN32B - U	53,9	69	84,1	99,2	114,3	129,4	144,5	159,6	174,7	189,8	204,9	220	GN32B - O	61,4	76,5	91,6	106,7	121,8	136,9	152	167,1	182,2	197,3	212,4	227,5
GN40B - U	53,9	69	84,1	99,2	114,3	129,4	144,5	159,6	174,7	189,8	204,9	220	GN40B - O	61,4	76,5	91,6	106,7	121,8	136,9	152	167,1	182,2	197,3	212,4	227,5
GN63B - U	57,7	75,8	93,9	112	130,1	148,2	166,3	184,4	202,5	220,6	238,7	256,8	GN63B - O	65,2	83,3	101,4	119,5	137,6	155,7	173,8	191,9	210	228,1	246,2	264,3

SERIJA <i>SERIES</i> GX				GX16 GX16H	GX20 GX20H	GX32 GX32H	GX40 GX40H	
Nazivni izolacijski napon <i>Rated insulation voltage</i>	U _i	IEC/VDE/BS	V	690	690	690	690	
		UL/CSA	V	600	600	600	600	
Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>	U _{imp}	IEC-60947 (III/3)	kV	6	6	6	6	
Nazivna termička struja <i>Rated thermal current</i>	I _{th}	IEC/VDE/BS	A	16	20	32	40	
		UL/CSA	A	12	15	32	40	
Glavna sklopka IEC-60947 (III/3) (1)	Najveća vrijednost nazivnog pogonskog napona <i>Max. value of rated operational voltage</i>		V	440	440	440	440	
<i>Main switch</i>	Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>		kV	4	4	4	4	
Max. veličina osigurača za zaštitu od kratkog spoja <i>Max. fuse size for short circuit protection</i>	I _n (gG/gL)	10 kA 25 kA	A A	16 16	20 16	35 35	40 35	
Nazivna kratkotrajno podnosiva struja <i>Rated short-time withstand current</i>	I _{cw}	1 sec	A	250	250	1000	1000	
Nazivna pogonska struja <i>Rated operational current</i>	I _e	AC1/AC21A IEC/VDE/BS	A	16	20	32	40	
		110 V	A	10	10	25	25	
		220/230 V	A	8	8	20	22	
		380/400 V	A	4	6	10	12	
		660/690 V	A	1,5	1,5	2	2	
Motorska sklopka za kategoriju upotrebe	AC3	IEC/VDE/BS 3 faze <i>3 phase</i>	220/230 V 380-440 V 500-690 V	kW kW kW	3,5 4,5 5,5	3,7 5,5 5,5	7,5 11 11	7,5 15 15
<i>Motor switch in utilization category</i>		1 faza, 2 pola <i>1 phase, 2 pole</i>	120 V 220/230 V 380-440 V	kW kW kW	- 1,5 2,2	- 1,8 3	1,8 3,5 5,5	2,2 4,4 7
	AC23A	IEC/VDE/BS 3 faze <i>3 phase</i>	220/230 V 380-440 V 500-690 V	kW kW kW	3,7 6,5 7,5	4 7,5 7,5	8 15 15	9 18,5 15
		1 faza, 2 pola <i>1 phase, 2 pole</i>	120 V 220/230 V 380-440 V	kW kW kW	- 1,8 3	- 2,2 3,5 6	2,2 3,5 6	3 5,2 7,5
Motorska sklopka <i>Motor switch</i>	DOL	UL/CSA 3 faze <i>3 phase</i>	120 V 240 V 480 V 600 V	HP HP HP HP	1,5 3 5 5	1,5 3 5 5	3 7,5 15 15	5 10 15 15
Prekidanje kod istosmjernje struje <i>DC Switching capacity</i>	DC21A	T = 1 ms Nazivna struja <i>Rated current</i>	48 V 60 V 110 V	A A A	16 16 4	20 20 4	32 32 5	40 40 6
		I _e za 1 kontakt <i>for 1 contact</i>	220 V 440 V	A A	0,6 0,25	0,6 0,25	0,8 0,25	0,8 0,25
	DC23	T = 15 ms Nazivna struja <i>Rated current</i>	24 V 48 V 60 V	A A A	16(1) 16(2) 16(3)	20(1) 20(2) 20(3)	32(1) 32(2) 32(3)	40(1) 40(2) 40(3)
		I _e (Broj kontakata u seriji) <i>(Number of series contacts)</i>	110 V 220 V	A A	10(3) 10(4)	10(3) 8(4)	15(3) 12(4)	40(3) 12(4)
	DC13	T = 50 ms Nazivna struja <i>Rated current</i>	48 V 60 V 110 V	A A A	14 10 1	16 12 1	25 14 3	32 16 3
		I _e za 1 kontakt <i>for 1 contact</i>	220 V 440 V	A A	0,4 0,15	0,4 0,15	0,5 0,15	0,5 0,15
Mehanička trajnost <i>Mechanical durability</i>	Broj uklopa <i>Switching cycles</i>			1 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶	1 x 10 ⁶	
Priključni vijak <i>Terminal screw</i>			M	3	3	4	4	
Moment pritezanja priključnog vijka <i>Terminal tightening torque</i>	(IEC)		Nm	0,5	0,5	1,2	1,2	
Presjek vodiča <i>Conductor size</i>	max. r/f	2 x $\frac{\text{mm}^2}{\text{AWG}}$	2,5/2,5 12/12	2,5/2,5 12/12	10/6 8/10	10/6 8/10		
r = kruti, višezilni / <i>rigid</i> f = finožičani / <i>flexible</i>	min. r/f	2 x $\frac{\text{mm}^2}{\text{AWG}}$	0,5/0,5 20/20	0,5/0,5 20/20	1,5/1,5 16/16	1,5/1,5 16/16		

(1) Vrijedi za mreže sa uzemljenim zvjezdastim, prenaponska kategorija III, stupanj zagađenja 3 / Valid for neutral earthed systems, overvoltage category III, pollution degree 3

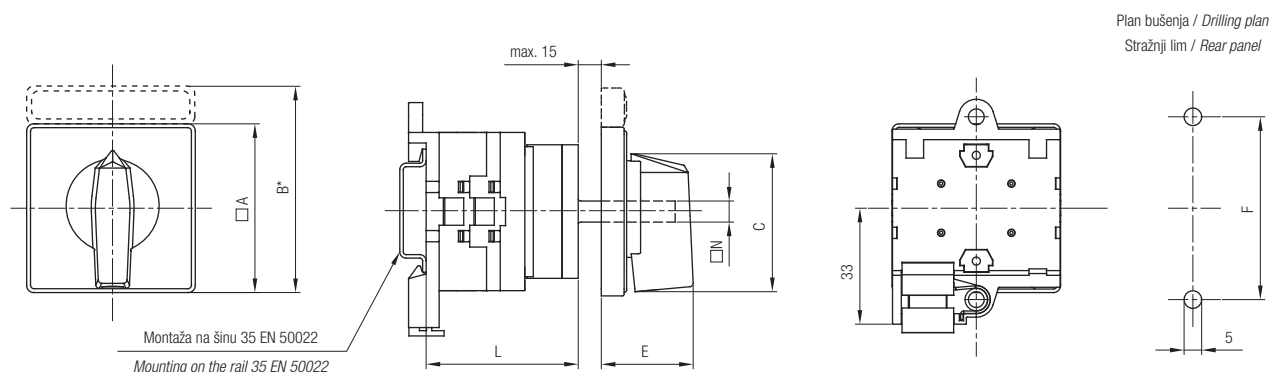
MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

U - Ugradna sklopka *Front mounting*



Tip/Type	Oznaka / Marking										Broj elemenata												L	Number of elements					
	□A	B	C	ØD1	ØD2	E	G	H	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12							
GX16	48	60	39,5	12	5	26,5	47,7	45	36	6	40	48,5	57	65,5	74	82,5	91	99,5	108	116,5	125	133,5							
GX16H	65	80,5	53	12	5	34,5	47,7	45	48	6	40,5	49	57,5	66	74,5	83	91,5	100	108,5	117	125,5	134							
GX20	48	60	39,5	12	5	26,5	47,7	45	36	6	40	48,5	57	65,5	74	82,5	91	99,5	108	116,5	125	133,5							
GX20H	65	80,5	53	12	5	34,5	47,7	45	48	6	40,5	49	57,5	66	74,5	83	91,5	100	108,5	117	125,5	134							
GX32	65	80,5	53	14	5	34,5	66	58	48	7	48	60	72	84	96	108	120	132	144	156	168	180							
GX32H	90	110	70,5	14	6	41,5	66	58	68	7	50	62	74	86	98	110	122	134	146	158	170	182							
GX40	65	80,5	53	14	5	34,5	66	58	48	7	48	60	72	84	96	108	120	132	144	156	168	180							
GX40H	90	110	70,5	14	6	41,5	66	58	68	7	50	62	74	86	98	110	122	134	146	158	170	182							

O - Sklopka za odvojenu ugradnju *Rear mounting*



*Prednja ploča s natpisom
*Front plate with title

Napomena: plan bušenja prednje ploče kao kod ugradne sklopke (U)
Remark: drilling plan of front panel as at front mounting switch (U)

Tip/Type	Oznaka / Marking						Broj elemenata												L												Number of elements																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	□A	B	C	E	F	□N	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
GX16	48	60	39,5	26,5	52	6	37	45,5	54	62,5	71	79,5	88	96,5	105	113,5	122	130,5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

B - Sklopka s većim razdjelnim uređajem *Switch with bigger distribution device*

Tip/Type	Broj elemenata						L	Number of elements					
	1	2	3	4	5	6	7	8	9	10	11	12	
GX16B - U	46,7	55,2	63,7	72,2	80,7	89,2	97,7	106,2	114,7	123,2	131,7	140,2	
GX20B - U	46,7	55,2	63,7	72,2	80,7	89,2	97,7	106,2	114,7	123,2	131,7	140,2	
GX32B - U	58,4	70,4	82,4	94,5	106,4	118,4	130,4	142,4	154,4	166,4	178,4	190,4	
GX40B - U	58,4	70,4	82,4	94,4	106,4	118,4	130,4	142,4	154,4	166,4	178,4	190,4	

SERIJA SERIES GF

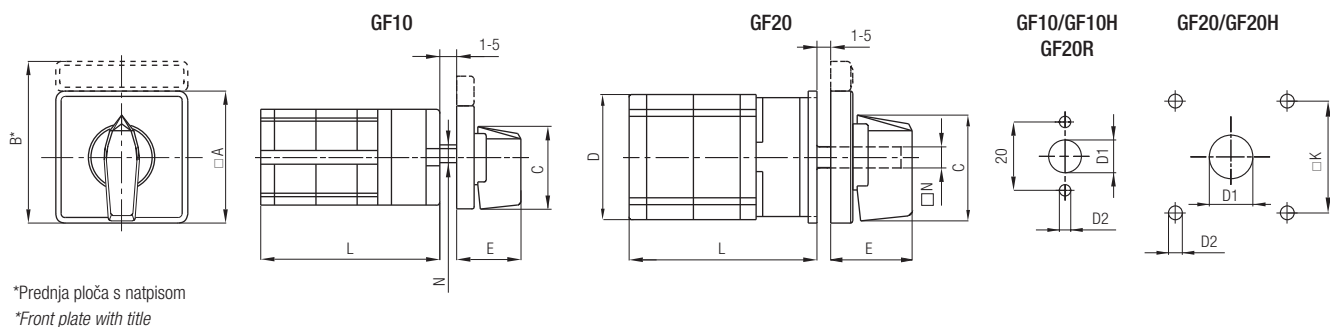
					GF10 GF10H	GF20 GF20H GF20R
Nazivni izolacijski napon <i>Rated insulation voltage</i>	U _i	IEC/VDE/BS	V		480	480
Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>	U _{imp}	UL/CSA IEC-60947 (III/3)	V kV		240 4	240 4
Nazivna termička struja <i>Rated thermal current</i>	I _{th}	IEC/VDE/BS UL/CSA	A A		10 10	20 15
Glavna sklopka IEC-60947 (III/3) (1) <i>Main switch</i>	Najveća vrijednost nazivnog pogonskog napona <i>Max. value of rated operational voltage</i> Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>		V kV		480 4	480 4
Max. veličina osigurača za zaštitu od kratkog spoja <i>Max. fuse size for short circuit protection</i>	I _n (gG/gL)	3 kA 5 kA 10 kA 25 kA	A A A A		16 16 10 -	20 20 20 20
Nazivna kratkotrajno podnosiva struja <i>Rated short-time withstand current</i>	I _{cw}	1 sec	A		250	250
Nazivna pogonska struja <i>Rated operational current</i>	I _e	AC1/AC21A IEC/VDE/BS 120 V 220/230 V 380/400 V AC15 IEC/VDE	A A A A A A		10 5 3 2	20 10 8 6
Motorska sklopka za kategoriju upotrebe <i>Motor switch in utilization category</i>	AC3	IEC/VDE/BS 3 faze <i>3 phase</i> 1 faza, 2 pola <i>1 phase, 2 pole</i>	220/230 V 380-440 V 110 V 220/230 V 380-440 V	kW kW kW kW kW kW	1,5 2,2 0,3 0,55 0,75	3 5 0,5 1,5 2
	AC23A	IEC/VDE/BS 3 faze <i>3 phase</i> 1 faza, 2 pola <i>1 phase, 2 pole</i>	220/230 V 380-440 V 110 V 220/230 V 380-440 V	kW kW kW kW kW kW	1,8 3 0,7 0,75 1,1	4 7,5 0,75 2 2,5
Motorska sklopka <i>Motor switch</i>	DOL	UL/CSA 3 faze <i>3 phase</i>	240 V	HP	2	3
Prekidanje kod istosmjernje struje <i>DC Switching capacity</i>	DC21A T = 1 ms Nazivna struja <i>Rated current</i> za 1 kontakt <i>for 1 contact</i>	48 V 60 V 110 V 220 V 440 V	A A A A A		10 7 2 0,7 0,2	20 20 4 0,7 0,2
	DC13 T = 50 ms Nazivna struja <i>Rated current</i> za 1 kontakt <i>for 1 contact</i>	48 V 60 V 110 V 220 V 440 V	A A A A A		3 2 1 0,3 0,1	6 3 1 0,4 0,15
Mehanička trajnost <i>Mechanical durability</i>	Broj uklopa <i>Switching cycles</i>				1 x 10 ⁶	1 x 10 ⁶
Priključni vijak <i>Terminal screw</i>			M		2,5	3
Moment pritezanja priključnog vijka <i>Terminal tightening torque</i>	(IEC)			Nm	0,4	0,5
Presjek vodiča <i>Conductor size</i>	max. r/f	2 x	mm ² AWG		1,5/1,5 14/14	2,5/2,5 12/12
r = kruti, višezilni / <i>rigid</i> f = finožičani / <i>flexible</i>	min. r/f	2 x	mm ² AWG		0,5/0,5 20/20	0,5/0,5 20/20

(1) Vrijedi za mreže sa uzemljenim zvjezdištem, prenaponska kategorija III, stupanj zagađenja 3 / *Valid for neutral earthed systems, overvoltage category III, pollution degree 3*

MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

U - Ugradna sklopka *Front mounting*

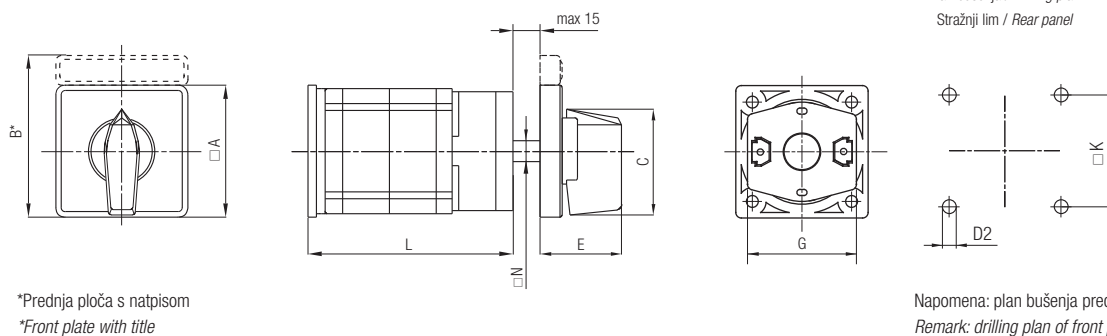
Plan bušenja / *Drilling plan*
Prednji lim / *Front panel*



Tip/Type	Oznaka / Marking									Broj elemenata L Number of elements											
	□A	B	C	D	ØD1	ØD2	E	□K	N	1	2	3	4	5	6	7	8	9	10	11	12
GF10	30	40	24	29	9	3,2	18,5	-	Ø5	40	52	64	76	88	100	112	124	-	-	-	-
GF20	48	60	39,5	36	12	5	26,5	36	□6	41	54,5	68	81,5	95	108,5	122	135,5	149	162,5	176	189,5
GF10H	48	60	39,5	29	12	5	26,5	36	□6	40	52	64	76	88	100	112	124	-	-	-	-
GF20H	65	80,5	53	36	12	5	34,5	48	□6	41,5	55	68,5	82	95,5	109	122,5	136	149,5	163	176,5	190
GF20R	30	40	24	29	9	3,2	18,5	-	Ø5	41,5	53,5	67	80,5	94	107,5	-	-	-	-	-	-

O - Sklopka za odvojenu ugradnju *Rear mounting*

Plan bušenja / *Drilling plan*
Stražnji lim / *Rear panel*



Napomena: plan bušenja prednje ploče kao kod ugradne sklopke (U)
Remark: drilling plan of front panel as at front mounting switch (U)

Tip/Type	Oznaka / Marking									Broj elemenata L Number of elements											
	□A	B	C	ØD1	ØD2	E	G	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
GF20	48	60	39,5	12	5	26,5	38	36	6	46	59,5	73	86,5	100	113,5	127	140,5	154	167,5	181	194,5
GF20H	65	80,5	53	12	5	34,5	38	48	6	47	60,5	74	87,5	101	114,4	128	141,5	155	168,5	182	195,5

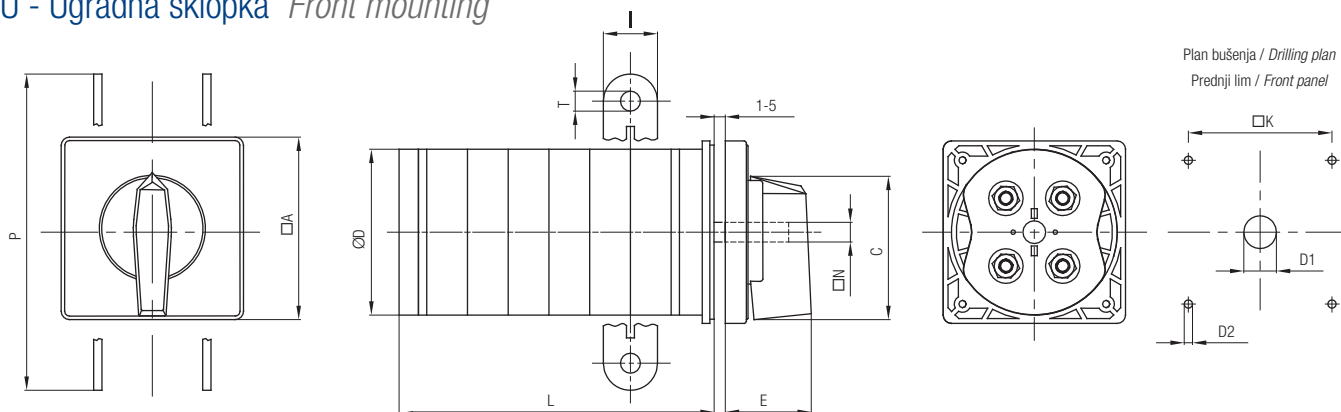
SERIJA SERIES G/4G

Serijska <i>SERIES</i> G/4G				4G200	G315	4G400	G630	G900	G1200	G1600	G2000
Nazivni izolacijski napon <i>Rated insulation voltage</i>	U _i	IEC/VDE/BS	V	690	690	690	690	690	690	690	690
		UL/CSA	V	600	600	-	-	-	-	-	-
Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>	U _{imp}	IEC-60947 (III/3)	kV	8	8	8	8	8	8	8	8
Nazivna termička struja <i>Rated thermal current</i>	I _{th}	IEC/VDE/BS UL/CSA	A A	200 200	315 255	400 -	630 -	900 -	1200 -	1600 -	2000 -
Glavna sklopka	Najveća vrijednost nazivnog pogonskog napona		V	690	690	690	690	690	690	690	690
IEC-60947 (III/3) (1)	Max. value of rated operational voltage										
Main switch	Nazivni udarni podnosivi napon Rated impulse withstand voltage		kV	6	6	6	6	6	6	6	6
Max. veličina osigurača za zaštitu od kratkog spoja Max. fuse size for short circuit protection	I _n (aR)	15 kA	A	200	315	400	630	900	1250	2x800	2x1000
Nazivna kratkotrajno podnosiva struja	I _{cw}	1 sec	A	3300	5200	6500	8000	14500	18200	24500	33000
		3 sec	A	2000	3200	3800	6500	9200	12000	16500	20000
		10 sec	A	1100	1800	2000	3600	5500	8000	8800	10500
Rated short-time withstand current		30 sec	A	640	1100	1200	2100	3300	4500	5700	7000
		60 sec	A	460	800	850	1500	2400	3600	4000	5000
Nazivna pogonska struja Rated operational current	I _e	AC1/AC21A IEC/VDE/BS	A	200	315	400	630	900	1200	1600	2000
Motorska sklopka za kategoriju upotrebe Motor switch in utilization category	AC3	IEC/VDE/BS	220/230 V	kW	27,5	37	27,5	-	-	-	-
		3 faze	380-440 V	kW	47	55	47	-	-	-	-
		3 phase	690 V	kW	-	69	-	-	-	-	-
		1 faza, 2 pola	110 V	kW	-	11	-	-	-	-	-
		1 phase, 2 pole	220/230 V	kW	-	22	-	-	-	-	-
			380-440 V	kW	-	30	-	-	-	-	-
	AC23B		IEC/VDE/BS	220/230 V	kW	-	75	-	75	75	75
		3 faze	380-440 V	kW	-	75	-	75	75	75	75
		3 phase	500-690 V	kW	-	45	-	45	45	45	45
		1 faza, 2 pola	110 V	kW	-	15	-	-	-	-	-
		1 phase, 2 pole	220/230 V	kW	-	37	-	-	-	-	-
			380-440 V	kW	-	55	-	-	-	-	-
Motorska sklopka Motor switch	DOL		UL/CSA	120 V	HP	30	30	-	-	-	-
		3 faze	240 V	HP	50	50	-	-	-	-	-
		3 phase	480 V	HP	100	100	-	-	-	-	-
			600 V	HP	75	75	-	-	-	-	-
Prekidanje kod istosmjernje struje DC Switching capacity	DC21A T = 1 ms	I _e	24 V	A	200	200	-	-	-	-	-
			48 V	A	200	200	-	-	-	-	-
			60 V	A	200	200	-	-	-	-	-
			110 V	A	35	35	-	-	-	-	-
			220 V	A	2,5	2,5	-	-	-	-	-
			440 V	A	0,9	0,9	-	-	-	-	-
	DC1(I _{th}) T = 1 ms	Br. No.	48 V		1	1	-	-	-	-	-
			60 V		1	1	-	-	-	-	-
			110 V		3	3	-	-	-	-	-
			220 V		4	4	-	-	-	-	-
			440 V		8	8	-	-	-	-	-
Mehanička trajnost Mechanical durability	Broj uklopa Switching cycles			2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	2 x 10 ⁵	
Priključni vijak Terminal screw			M	10	10	12	12	16	16	4 x 12	4 x 12
Moment pritezanja priključnog vijka Terminal tightening torque	(IEC)		Nm	10	10	14	14	25	25	14	14
Presjek vodiča Conductor size	max.	Širina Width	mm	20	20	45	45	74	50	80	110

(1) Vrijedi za mreže sa uzemljenim zvjezdastim, prenaponska kategorija III, stupanj zagađenja 3 / Valid for neutral earthed systems, overvoltage category III, pollution degree 3

MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

U - Ugradna sklopka *Front mounting*

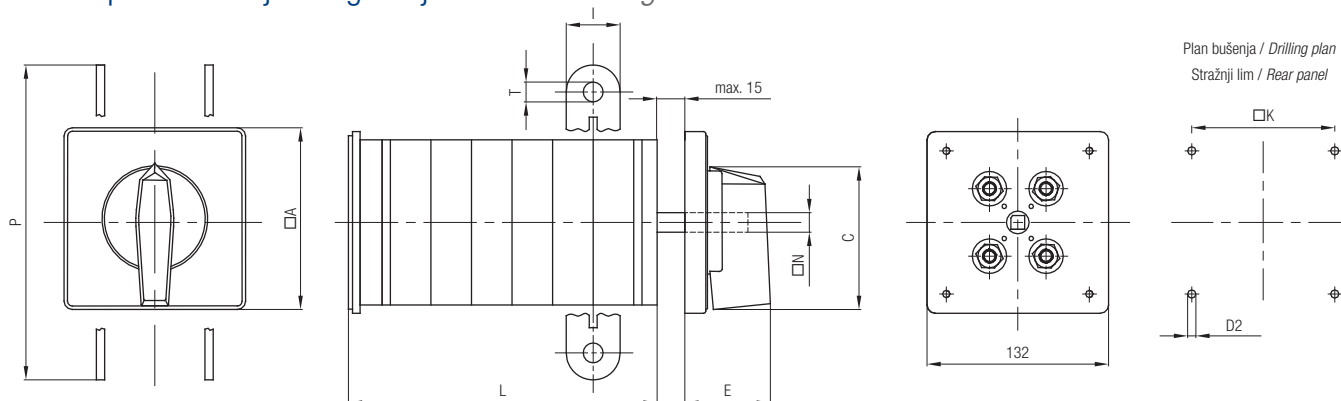


Tip/Type	Oznaka / Marking											Broj elemenata L Number of elements											
	□A	C	ØD	ØD1	ØD2	E	I	□K	□N	P	ØT	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	104	120	16	5,3	56	20	104	10	140	10,5	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	104	120	16	5,3	56	20	104	10	145	10,5	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	104	120	16	5,3	56	45	104	10	170	13	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	104	120	16	5,3	56	45	104	10	170	13	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	104	120	16	5,3	56	74	104	10	190	17,5	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	104	120	16	5,3	56	50	104	10	260	17,5	-	107	-	166	-	226	-	314	-	373	-	432
G1600	132	104	120	16	5,3	56	80	104	10	320	4x13	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	104	120	16	5,3	56	110	104	10	320	4x13	-	-	-	166	-	-	-	314	-	-	-	432

Kod sklopki s više od 6 elemenata ugrađujemo dva razdjelna uređaja (vidi mjernu skicu na dnu stranice)

Switches with more than 6 elements have two distribution devices (see dimensional drawing at the bottom of this page)

O - Sklopka za odvojenu ugradnju *Rear mounting*



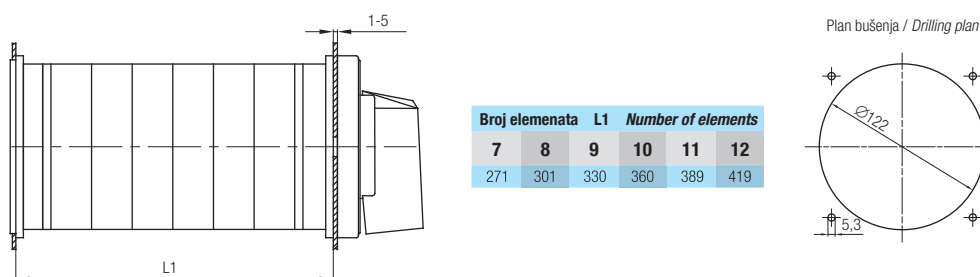
*Plan bušenja prednje ploče kao kod ugradne sklopke (U) / Drilling plan of front panel as at front mounting switch (U)

Tip/Type	Oznaka / Marking									Broj elemenata L Number of elements											
	□A	C	ØD2	E	I	□K	□N	P	ØT	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	104	5,3	56	20	104	10	140	10,5	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	104	5,3	56	20	104	10	145	10,5	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	104	5,3	56	45	104	10	170	13	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	104	5,3	56	45	104	10	170	13	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	104	5,3	56	74	104	10	170	17,5	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	104	5,3	56	50	104	10	260	17,5	-	107	-	166	-	226	-	314	-	373	-	432
G1600	132	104	5,3	56	80	104	10	320	4 x 13	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	104	5,3	56	110	104	10	320	4 x 13	-	-	-	166	-	-	-	314	-	-	-	432

Kod sklopki s više od 6 elemenata ugrađujemo dva razdjelna uređaja (vidi mjernu skicu na dnu stranice)

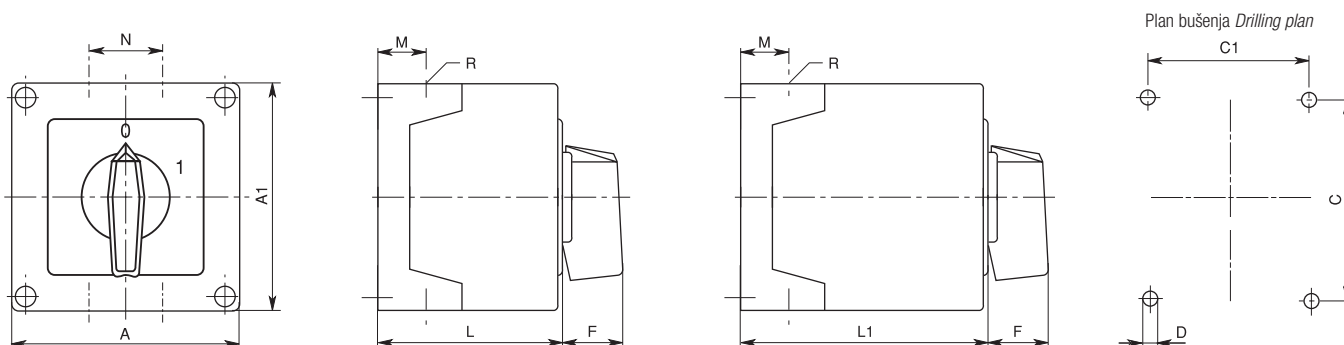
Switches with more than 6 elements have two distribution devices (see dimensional drawing at the bottom of this page)

Ugradnja sklopki s više od 6 elemenata *Mounting of the switches with 6 or more elements*



MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

P - SKLOPKA U PLASTIČNOM KUĆIŠTU *SWITCH IN PLASTIC ENCLOSURE*



Serijska GN *Series GN*

Tip/Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	F	M	N	L	L1	Zaštita Protection	Uvodnice Conduit entries	
		L	L1												R(Pg)	R(M...x1,5)
GN12 GN20 GN25	75 x 75	1-2 1-2 1	3-4 3-4 2-3	75	75	50	64	4,5	19	14	28	57,5	79,8	IP65	4 x Pg13,5	ili / or 4 x M20
GN12 GN20 GN25 GN32 GN40	90 x 90	1-3 1-3 1-2 1-2 1	4-6 4-6 3-4 3-4 2-3	90	90	79	63	4,5	25	19	30	71,3	98,3	IP65	4 x Pg16	ili / or 4 x M20
GN12 GN20 GN25 GN32 GN40 GN63	110 x 110	1-4 1-4 1-3 1-3 1-2 1-2	5-8 5-8 4-5 4-5 3-5 3-4	110	110	98,4	83	4,5	32	21	39,5	85,5	119,5	IP65	4 x Pg21	ili / or 4 x M25
GN32 GN40 GN63 GN125	125 x 175	1-3 1-2 1-2 1	4-5 3-4 3-4 2	125	175	146	112	5,5	32	21	68	84,3	118,3	IP65	4 x Pg21 + 2 x Pg11	ili / or 4 x M25 + 2 x M16
GN32 GN40 GN63 GN125	198 x 248	-	1-8 1-7 1-6 1-4	198	248	190 ili/or 210	140 180	5,5	32	35	104	-	166,5	IP65	6 x Pg16/21/29	ili / or 6 x M32/M20*

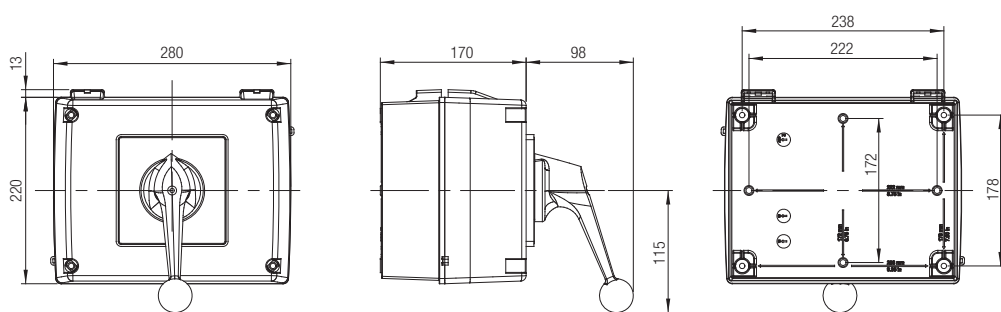
* po specijalnoj narudžbi / by special order

Serijska GX *Series GX*

Tip/Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C1	C1	D	F	M	N	L	L1	Zaštita Protection	Uvodnice Conduit entries	
		L	L1												R(Pg)	R(M...x1,5)
GX16 GX20	90 x 90	1-2	3-5	90	90	79	79	4,5	25	19	30	71,3	98,3	IP65	4 x Pg16	ili / or 4 x M20
GX16 GX20 GX32 GX40	110 x 110	1-3 1-2	4-7 3-4	110	110	98,4	83	4,5	32	21	39,5	85,5	119,5	IP65	4 x Pg21	ili / or 4 x M25

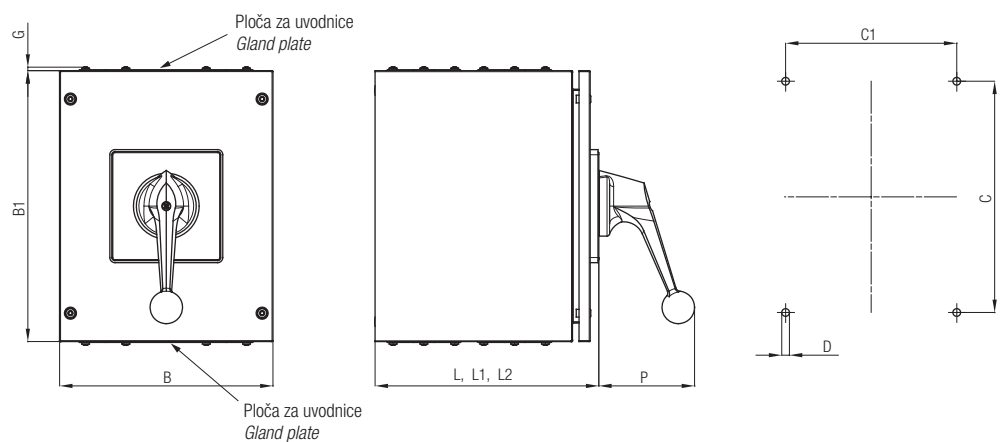


Serijska G/4G Series G/4G



Tip/Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements	Zaštita Protection
4G200 G315	220 x 280	1 - 3	IP54

L - SKLOPKA U LIMENOM KUĆIŠTU SWITCH IN STEEL ENCLOSURE



Serijska G/4G Series G/4G

Tip/Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements			L	L1	L2	B	B1	C	C1	D	G	P	Zaštita Protection
		L	L1	L2											
4G200 G315	250 x 316	1 - 3	-	4 - 6	162	-	252	250	316	270	200	9	4,5	98	IP54
4G400	316 x 500	2	4	6	162	192	252	316	500	420	240	9	4,5	98	IP54
G630 G900		2 3	4 -	6 6	162 192	192 252	252 316	316 500	500 500	420 420	240 240	9 9	4,5 4,5	98 98	IP54 IP54

Napomena: Na poseban zahtjev limena kućišta mogu biti izrađena i od nehrđajućeg čelika. / Note: On request metal enclosure can be made from stainless steel.

POTVRDE APPROVALS

	USA	USA	Kanada Canada	Nizozemska Netherland	Rusija Russia	Lloyd's Register of Shipping	Bureau Veritas	Hrvatski registar brodova Croatian Register of Shipping
GN12								
GN20								
GN25								
GN32								
GN40								
GN63								
GN125								
GX16								
GX20								
GX32								
GX40								
GF10								
GF20								
4G200								
G315								
4G400								

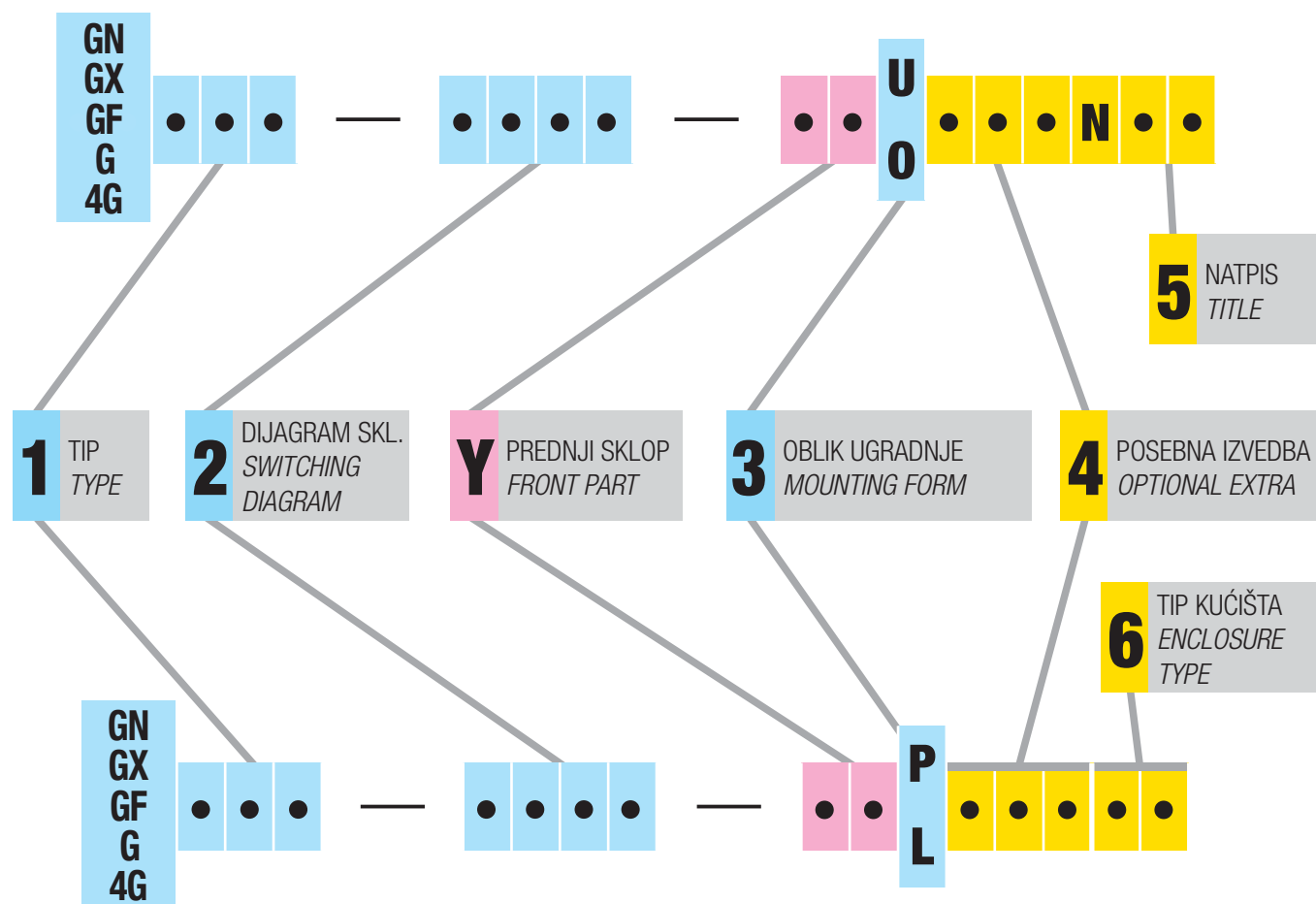
NARUDŽBENI KOD ORDERING CODE

Prilikom naručivanja sklopke potrebno je definirati:

- za **standardnu izvedbu** sklopke 3 tipa podataka **1 2 3**
- za sklopke s **posebnom izvedbom** maksimalno 5 tipova podataka **1 2 3 4 5** ili **1 2 3 4 6**
- za sklopku sa **specijalnim zahtjevima** maksimalno 6 tipova podataka **1 2 3 4 5 Y** ili **1 2 3 4 6 Y**

When ordering please define:

- for **standard** switch three data types **1 2 3**
- for switch with an **optional extra** max. 5 data types **1 2 3 4 5** or **1 2 3 4 6**
- for switch with **special requests** max. 6 data types **1 2 3 4 5 Y** or **1 2 3 4 6 Y**



OPIS

DESCRIPTION

1	Tip sklopke. Odabire se prema tehničkim zahtjevima (vidi stranice 4 - 10) i ugradbenoj veličini (vidi stranicu 3)	Switch type. To be chosen in accordance with the technical requests (see pages 4 - 10) and mounting size (see page 3)
2	Dijagram sklapanja. Odabira se prema programu sklapanja (vidi stranice 67 - 109)	Switching diagram. To be chosen in accordance with the switching program (see pages 67 - 109)
Y	Prednji sklop. Upisuje se samo ako se traži nestandardna kombinacija boja i oblika prednjeg sklopa (vidi stranicu 15)	Front part. To be marked only when non-standard front part colour and form combination is required (see page 15)
3	Standardni oblici ugradnje (vidi stranicu 2)	Standard mounting forms (see page 2)
4	Upisuje se ako se traži posebna izvedba (vidi stranice 18 - 59)	To be marked when an optional extra is required (see pages 18 - 59)
5	"N" se upisuje ako se traži prednja ploča s natpisom	"N" is to be written when the front plate with a title is required
6	Upisuje se ako se traži nestandardna izvedba plastičnog kućišta (vidi stranicu 16)	To be marked when a non-standard plastic enclosure version is required (see page 16)

Y - PREDNJI SKLOP *FRONT PART*

Tablice prikazuju moguće kombinacije boja prednjeg sklopa i pripadajuće kodne oznake. Prva linija odnosi se na **standardnu** kombinaciju za koju nije potrebno upisivati kod.

The tables show possible front part colour combinations and corresponding codes to be marked. The first line refers to the **standard** combination for which no code is to be marked.

1. OBLIK UGRADNJE:

Ugradna sklopka (U) ili sklopka za odvojenu ugradnju (O).

1. MOUNTING FORM:

Front mounting (U) or rear mounting (O).

				KOD / CODE		
Ručica <i>Handle</i>	Prednja ploča <i>Front plate</i>	Podloga <i>Escutch. plate</i>	Tekst <i>Text</i>	Y	Prednji sklop <i>Front part</i>	3 Oblik ugradnje <i>Mounting form</i>
crna <i>black</i>	crna <i>black</i>	bijela <i>white</i>	crna <i>black</i>			
crna <i>black</i>	crna <i>black</i>	srebrna <i>silver</i>	crna <i>black</i>		10	U ili / or O
crna <i>black</i>	crna <i>black</i>	crna <i>black</i>	bijela <i>white</i>		20	
siva <i>grey</i>	siva <i>grey</i>	crna <i>black</i>	bijela <i>white</i>		30	
siva <i>grey</i>	siva <i>grey</i>	bijela <i>white</i>	crna <i>black</i>		40	

PRIMJER: Za sklopku GN20, shema 100, standardna kombinacija boja, ugradna sklopka, narudžbena oznaka glasi:

EXAMPLE: For switch GN20, switching diagram 100, standard colour combination, front mounting, the ordering code is:

GN20 - 100 - U

Ista sklopka, ali sa sivom ručicom, sivom prednjom pločom, bijelom podlogom i crnim tekstom ima narudžbenu oznaku:

The same switch but with grey handle, grey front plate, white escutcheon plate, black text, has the ordering code:

GN20 - 100 - 40 U

NAPOMENA: za specijalne izvedbe 06, 06D, 41/42, 41D, 48/48D, 56, 71/72, 76/77, 85 i 87 kombinacije boja su opisane u poglavlju POSEBNE IZVEDBE

REMARK: for optional extras 06, 06D, 41/42, 41D, 48/48D, 56, 71/72, 76/77, 85 and 87 combination of colours are described in the head OPTIONAL EXTRAS

2. OBLIK UGRADNJE:

Sklopka u plastičnom kućištu (P)

Sklopka u limenom kućištu (L)

2. MOUNTING FORM:

Switch in plastic enclosure (P)

Switch in steel enclosure (L)

				KOD / CODE		
Kućiste <i>Enclosure</i>	Ručica <i>Handle</i>	Podloga <i>Escutch. plate</i>	Tekst <i>Text</i>	Y	Prednji sklop <i>Front part</i>	3 Oblik ugradnje <i>Mounting form</i>
siva <i>grey</i>	crna <i>black</i>	bijela <i>white</i>	crna <i>black</i>			
siva <i>grey</i>	crna <i>black</i>	srebrna <i>silver</i>	crna <i>black</i>		10	P ili / or L
siva <i>grey</i>	siva <i>grey</i>	crna <i>black</i>	bijela <i>white</i>		20	
siva <i>grey</i>	siva <i>grey</i>	bijela <i>white</i>	crna <i>black</i>		30	

PRIMJER: Za sklopku GN20, shema 100, standardna kombinacija boja, u plastičnom kućištu, narudžbena oznaka glasi:

EXAMPLE: For switch GN20, switching diagram 100, standard colour combination, in plastic enclosure, the ordering code is:

GN20 - 100 - P

Ista sklopka, ali sa sivom ručicom, bijelom podlogom i crnim tekstom ima narudžbenu oznaku:

The same switch but with grey handle, white escutcheon plate, black text, has the ordering code:

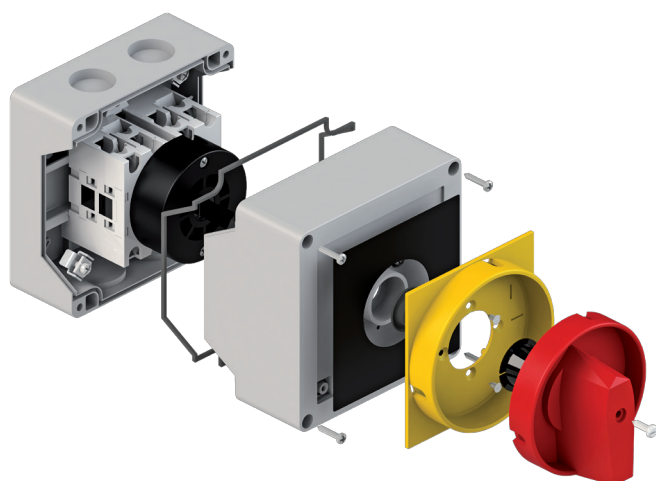
GN20 - 100 - 30 P

NAPOMENA: za specijalne izvedbe 06, 23, 25, 56, 73 i 75 kombinacije boja su opisane u poglavlju POSEBNE IZVEDBE

REMARK: for optional extras 06, 23, 25, 56, 73 and 75 combination of colours are described in the head OPTIONAL EXTRAS

IZBOR KUĆIŠTA ENCLOSURE SELECTION

	Veličina kućišta Enclosure size	Tip kućišta Enclosure type	Zaštita Protection	Uvodnice Conduit entries	6 KOD CODE	Tip sklopke Switch type
PLASTIČNO KUĆIŠTE / PLASTIC ENCLOSURE	75 x 75	NEMA Type 4X	IP65	4 x Pg13,5		GN12/GN20/GN25
			IP65	4 x M20x1,5	B1	GN12/GN20/GN25
	90 x 90	NEMA Type 4X	IP65	4 x Pg16		GN32
						GX16/GX20
			IP65	4 x Pg16	C1	GN12/GN20/GN25/GN40
			IP65	4 x M20 x 1,5	C2	GX16/GX20
	110 x 110	NEMA Type 4X				GN12/GN20/GN25/GN32/GN40
			IP65	4 x Pg21		GN40
						GX32/GX40
			IP65	4 x Pg21	E1	GN12/GN20/GN25/GN32/GN63
						GX16/GX20
			IP65	4 x M25 x 1,5	E2	GN12/GN20/GN25/GN32/GN40/GN63
						GX16/GX20/GX32/GX40
			IP65	4 x M20 x 1,5	E3	GN12/GN20/GN25/GN32/GN40/GN63
	125 x 175	NEMA Type 4X	IP65	4xPg21+2xPg11		GN63
			IP65	4xPg21+2xPg11	D1	GN32/GN40/GN125
			IP65	4xM25x1,5+2xM16x1,5	D2	GN32/GN40/GN63/GN125
	198 x 248	—	IP65	4xPg29+2xPg11		GN125
			IP65	4xM32x1,5+2xM16x1,5	F1	GN32/GN40/GN63/GN125
			IP65	4xPg29+2xPg11	F2	GN32/GN40/GN63
LIMENO KUĆIŠTE / STEEL ENCLOSURE	250 x 316	UL Type 3R	IP54	-		4G200/G315
	316 x 500	UL Type 3R	IP54	-		4G400/G630/G900



PRIMJER: Za sklopku GX20, shema 100, standardna kombinacija boja, plastično kućište 90 x 90, sa standardnom zaštitom i ulaznicama, narudžbena oznaka glasi:

EXAMPLE: For the switch GX20 switching diagram 100, standard colour combination, plastic enclosure 90 x 90, with standard protection and conduit entries, the ordering code is:

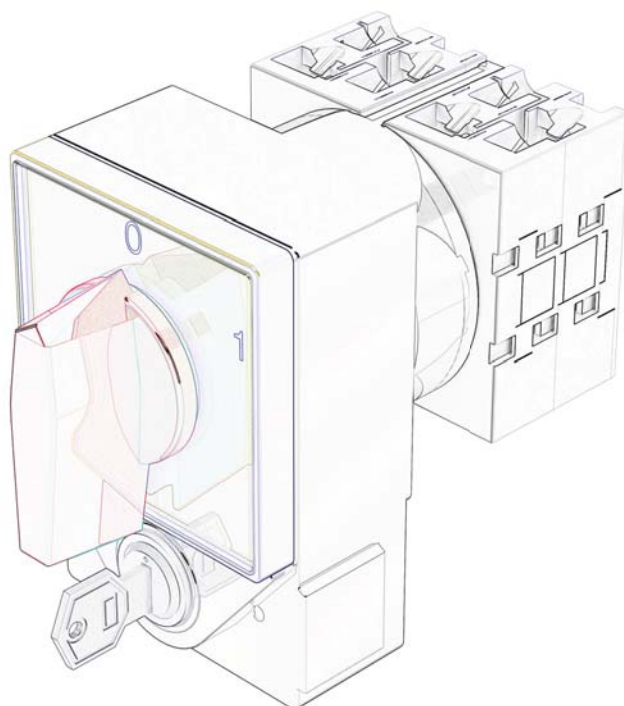
GX20 - 100 - P

Ista sklopka u istom kućištu ali sa ulaznicama 4 x M20 x 1,5 ima narudžbenu oznaku:

The same switch in the same enclosure but with conduit entries 4 x M20 x 1,5 has the ordering code:

GX20 - 100 - PC2

Posebne izvedbe *Optional extras* **GN, GX GF, G/4G**



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

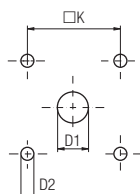
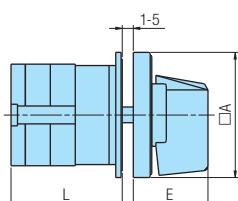
SKLOPKA ZA NUŽNO ISKLAPANJE *EMERGENCY OFF SWITCH*


24

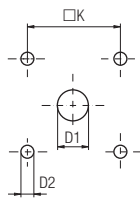
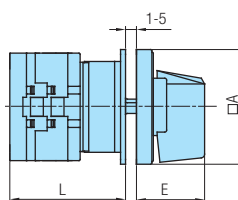
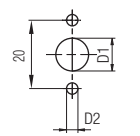
Standardna sklopka sa žutom prednjom pločom, žutom podlogom i crvenom ručicom.

Standard switch with yellow front plate, yellow escutcheon plate and red handle.

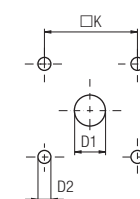
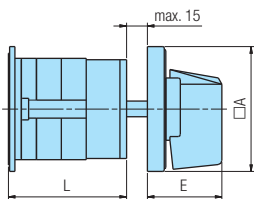
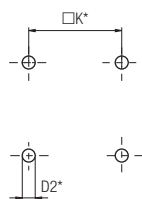
Plan bušenja / Drilling plan
Prednji lim / Front panel



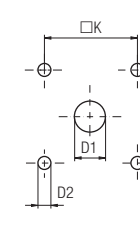
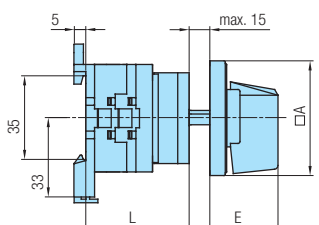
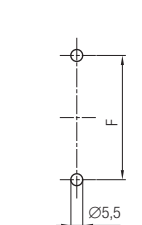
GF10
GF10H



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijsa / Series GN - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GN 12	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	34,5	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	41,5	68	48	66,1	84,2	247,1
GN 125	90	16	6	41,5	68	67,3	96,4	125,5	387,4

Serijsa / Series G/4G - U

Tip Type	Oznaka / Marking					L							
	A	D1	D2	E	K	1	2	3	4	5	6	7	8
4G 200	132	16	5,3	56,5	104	77	107	-	-	-	-	-	-
G 315	132	16	5,3	56,5	104	77	107	-	-	-	-	-	-
4G 400	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 630	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 900	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-
G 1200	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 1600	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-
G 2000	132	16	5,3	56,5	104	-	-	-	166	-	-	-	314

Serijsa / Series GF - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GF 10	30	9	3,2	18,5	-	40	42,8	64	-
GF 10H	48	9	3,2	26,5	36	40	43,3	64	-
GF 20	48	12	5	26,5	36	4,1	42,8	68	189,5
GF 20H	48	9	3,2	26,5	36	41,5	43,3	68,5	190

GF10 / GF10H max. 8 elm.

Serijsa / Series GX - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GX 16	48	12	5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	34,5	48	48	60	72	180
GX 32H	90	14	6	41,5	68	50	62	74	182
GX 40	65	14	5	34,5	48	48	60	72	180
GX 40H	90	14	6	41,5	68	50	62	74	182

Serijsa / Series GN - O

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GN 12	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 63*	65	14	5	34,5	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	41,5	68	48	66,1	84,2	247,1
GN 125	90	16	6	41,5	68	67,3	96,4	125,5	394,9

* za / for GN63 D2*=6 □K*=68

Serijsa / Series G/4G - O

Tip Type	Oznaka / Marking					L							
	A	D1	D2	E	K	1	2	3	4	5	6	7	8
4G 200	132	16	5,3	56,5	104	77	107	-	-	-	-	-	-
G 315	132	16	5,3	56,5	104	77	107	-	-	-	-	-	-
4G 400	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 630	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 900	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-
G 1200	132	16	5,3	56,5	104	-	107	-	166	-	-	-	-
G 1600	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-
G 2000	132	16	5,3	56,5	104	-	-	-	166	-	-	-	314

Serijsa / Series GF - O

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GF 20	48	12	5	26,5	36	46	59,5	73	194,5
GF 20H	65	12	5	34,5	48	47	60,5	74	195,5

Serijsa / Series GX - O

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	F	1	2	3...12	
GX 16	48	12	5	26,5	52	37	45,5	54	130,5
GX 16H	65	12	5	34,5	52	48	37	45,5	130,5
GX 20	48	12	5	26,5	52	37	45,5	54	130,5
GX 20H	65	12	5	34,5	52	48	37	45,5	130,5
GX 32	65	14	5	34,5	68	48	60	72	180
GX 32H	90	14	6	41,5	68	48	60	72	180
GX 40	65	14	5	34,5	68	48	60	72	180
GX 40H	90	14	6	41,5	68	48	60	72	180

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

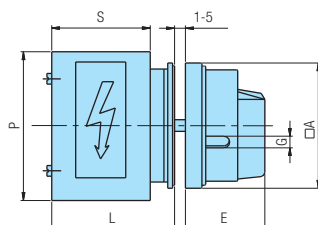
GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*



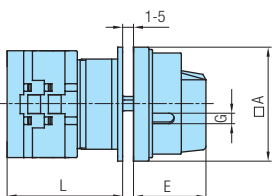
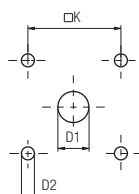
23
25

Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

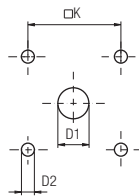
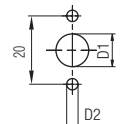
Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



Plan bušenja / Drilling plan
Prednji lim / Front panel



GF10H



Serijska / Series GN - U

Tip Type	Oznaka / Marking									
	A	D1	D2	E	G	K	S	P	L	
GN 12	48	12	5	34,2	5	36	43	64	51,3	
GN 12H	65	12	5	38	6	48	43	64	51,8	
GN 20	48	12	5	34,2	5	36	43	64	51,3	
GN 20H	65	12	5	38	6	48	43	64	51,8	
GN 25	48	12	5	34,2	5	36	51	68	59,6	
GN 25H	65	12	5	38	6	48	51	68	60,1	
GN 32	65	14	5	38	6	48	55	77	68,7	
GN 32H	90	14	6	49	7	68	55	77	69,4	
GN 40	65	14	5	38	6	48	55	77	68,7	
GN 40H	90	14	6	49	7	68	55	77	69,4	

Serijska / Series GF - U

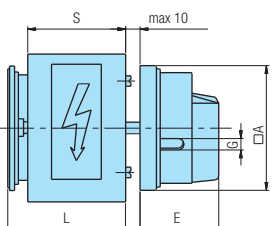
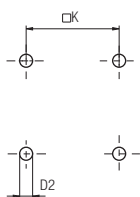
Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GF 10H	48	12	5	34,2	5	-	40	52	64	-
GF 20	48	12	5	34,2	5	36	41	54,5	68	189,5
GF 20H	65	12	5	38	6	48	41,5	55	68,5	190

GF10H max. 8 elm.

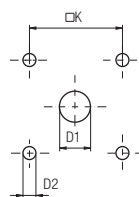
Serijska / Series GX - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GX 16	48	12	5	34,2	5	36	40	48,5	57	133,5
GX 16H	65	12	5	38	6	48	40,5	49	57,5	134
GX 20	48	12	5	34,2	5	36	40	48,5	57	133,5
GX 20H	65	12	5	38	6	48	40,5	49	57,5	134
GX 32	65	14	5	38	6	48	48	60	72	180
GX 32H	90	14	6	49	7	68	50	62	74	182
GX 40	65	14	5	38	6	48	48	60	72	180
GX 40H	90	14	6	49	7	68	50	62	74	182

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - O

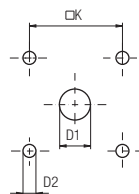
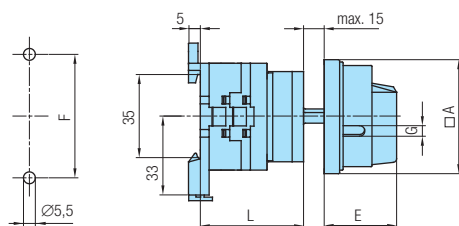
Tip Type	Oznaka / Marking									
	A	D1	D2	E	G	K	S	L		
GN 12	48	12	5	34,2	5	36	43	51,3		
GN 12H	65	12	5	38	6	48	43	51,8		
GN 20	48	12	5	34,2	5	36	43	51,3		
GN 20H	65	12	5	38	6	48	43	51,8		
GN 25	48	12	5	34,2	5	36	51	59,6		
GN 25H	65	12	5	38	6	48	51	60,1		
GN 32	65	14	5	38	6	48	55	68,7		
GN 32H	90	14	6	49	7	68	55	69,4		
GN 40	65	14	5	38	6	48	55	68,7		
GN 40H	90	14	6	49	7	68	55	69,4		

Serijska / Series GF - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GF 20	48	12	5	34,2	5	36	46	60,5	74	195,5
GF 20H	65	12	5	38	6	48	47	55	68,5	190

Serijska / Series GX - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	F	G	K	1	2	3...12
GX 16	48	12	5	34,2	52	5	36	37	45,5	130,5
GX 16H	65	12	5	38	52	6	48	37	45,5	130,5
GX 20	48	12	5	34,2	52	5	36	37	45,5	130,5
GX 20H	65	12	5	38	52	6	48	37	45,5	130,5
GX 32	65	14	5	38	68	6	48	48	60	180
GX 32H	90	14	6	49	68	7	68	48	60	180
GX 40	65	14	5	38	68	6	48	48	60	180
GX 40H	90	14	6	49	68	7	68	48	60	180



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

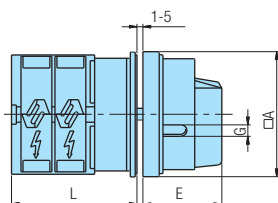


63

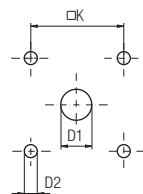
Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

65

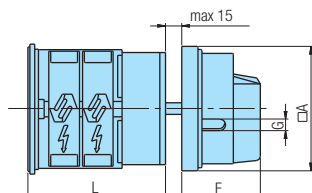
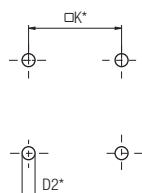
Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



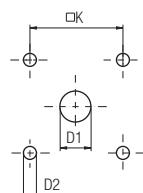
Plan bušenja / Drilling plan
Prednji lim / Front panel



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	G	□K	1	2	3...12	
GN 12	48	12	5	34,2	5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	38	6	48	33,6	43,3	53	140,3
GN 20	48	12	5	34,2	5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	38	6	48	33,6	43,3	53	140,3
GN 25	48	12	5	34,2	5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	38	6	48	38	51,6	65,2	187,6
GN 32	65	14	5	38	6	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	49	7	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	38	6	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	49	7	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	38	6	48	47,3	65,4	83,5	246,4
GN63H	90	14	6	49	7	68	48	66,1	84,2	247,1
GN 125	90	16	6	49	7	68	67,3	96,4	125,5	394,9

Serijska / Series GN - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	G	□K	1	2	3...12	
GN 12	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	38	6	48	38,6	48,3	58	145,3
GN 20	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	38	6	48	38,6	48,3	58	145,3
GN 25	48	12	5	34,2	5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	38	6	48	43	56,6	70,2	192,6
GN 32	65	14	5	38	6	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	49	7	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	38	6	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	49	7	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	38	6	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	49	7	68	55	73,1	91,2	254,1
GN 125	90	16	6	49	7	68	74,8	103,9	133	394,9

* za / for GN63 D2*=6 □K*=68

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

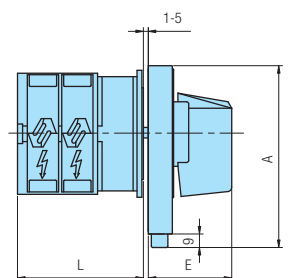


63D

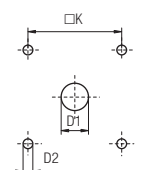
Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

65D

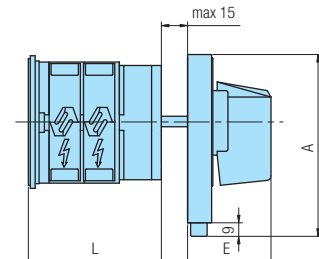
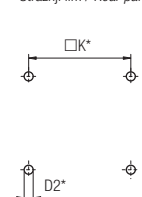
Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



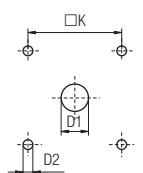
Plan bušenja / Drilling plan
Prednji lim / Front panel



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	□K		1	2	3...12	
GN 32H	90x112	14	5	48	48	48	44,2	59,3	74,4	210,3
GN 40H	90x112	14	5	48	48	48	44,2	59,3	74,4	210,3
GN 63H	90x112	14	5	48	48	48	66,1	84,2	247,1	
GN 125	90x112	16	6	48	68	68	67,3	96,4	125,5	394,9

Serijska / Series GN - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	□K		1	2	3...12	
GN 32H	90x112	14	5	48	48	48	49,2	64,3	79,4	215,3
GN 40H	90x112	14	5	48	48	48	49,2	64,3	79,4	215,3
GN 63H	90x112	14	5	48	48	48	55	73,1	91,2	254,1
GN 125	90x112	16	6	48	68	68	74,8	103,9	133	394,9

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*



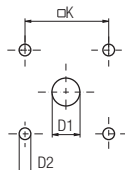
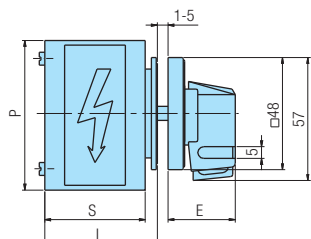
73
75

Zaključavanje (1-3 lokota) samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom.
Kut zakreta 60° i 90°.

Locking (1-3) only in "0". Protection against an accidental contact with the supplying terminals under voltage.
Switching angle 60° and 90°.



Plan bušenja / Drilling plan
Prednji lim / Front panel

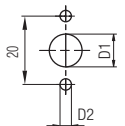


Serijska / Series GN - U

Tip Type	Oznaka / Marking						L
	D1	D2	E	□K	S	P	
GN 12	12	5	34,5	36	43	64	51,3
GN 20	12	5	34,5	36	43	64	51,3
GN 25	12	5	34,5	36	51	68	59,6

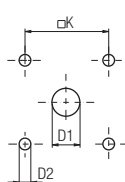
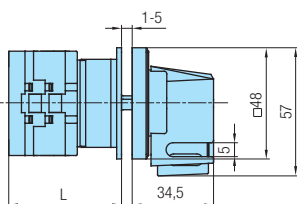


GF10H



Serijska / Series GF - U

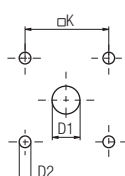
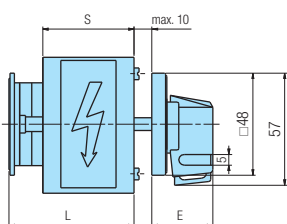
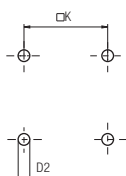
Tip Type	Oznaka / Marking				L		
	D1	D2	□K		1	2	3...12
GF 10H	12	5	-		40	52	64
GF 20	12	5	36		41	54,5	68



Serijska / Series GX - U

Tip Type	Oznaka / Marking				L		
	D1	D2	□K		1	2	3...12
GX 16	12	5	36		40	48,5	57
GX 20	12	5	36		40	48,5	57

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel

Serijska / Series GN - O

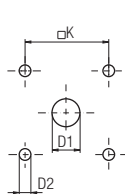
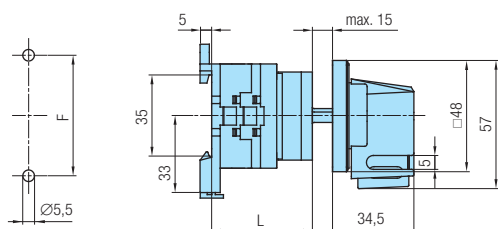
Tip Type	Oznaka / Marking						L
	D1	D2	E	□K	S		
GN 12	12	5	34,5	36	43		51,3
GN 20	12	5	34,5	36	43		51,3
GN 25	12	5	34,5	36	51		59,6

Serijska / Series GF - O

Tip Type	Oznaka / Marking				L		
	D1	D2	□K		1	2	3...12
GF 20	12	5	36		46	59,5	73

Serijska / Series GX - O

Tip Type	Oznaka / Marking				L		
	D1	D2	F	□K	1	2	3...12
GX 16	12	5	52	36	37	45,5	54
GX 20	12	5	52	36	37	45,5	54



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

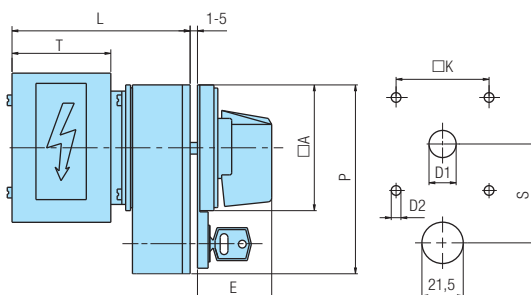


21

Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

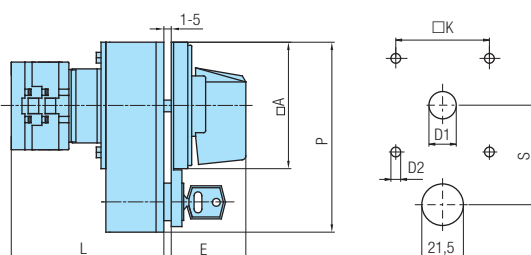
22

Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



Serijska / Series GN - U

Tip	Oznaka / Marking								L
Type	A	D1	D2	E	K	P	S	T	
GN 12H	65	12	5	36	48	65x98	48	43	81,8
GN 20H	65	12	5	36	48	65x98	48	43	81,8
GN 25H	65	12	5	36	48	65x98	48	51	90,1
GN 32	65	14	5	36	48	65x98	48	55	99
GN 32B	90	14	6	41,5	68	90x122	60	55	107,5
GN 40	65	14	5	36	48	65x98	48	55	99
GN 40B	90	14	6	41,5	68	90x122	60	55	107,5



Serijska / Series GF - U

Tip	Oznaka / Marking								L
Type	A	D1	D2	E	K	P	S		
GF 20H	65	12	5	36	48	65x98	48		85

Serijska / Series GX - U

Tip	Oznaka / Marking								L
Type	A	D1	D2	E	K	P	S		
GX 16H	65	12	5	36	48	65x98	48		70,5
GX 20H	65	12	5	36	48	65x98	48		70,5
GX 32	65	14	5	36	48	65x98	48		90
GX 40	65	14	5	36	48	65x98	48		90

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

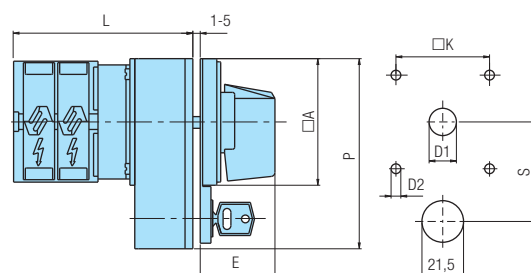


61

Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

62

Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



Serijska / Series GN - U

Tip	Oznaka / Marking								L			
Type	A	D1	D2	E	K	P	S		1	2	3...12	
GN 12H	65	12	5	36	48	65x98	48	63,6	73,3	83	170,3	
GN 20H	65	12	5	36	48	65x98	48	63,6	73,3	83	170,3	
GN 25H	65	12	5	36	48	65x98	48	68	81,6	95,2	217,6	
GN 32	65	14	5	36	48	65x98	48	73,5	88,6	103,7	239,6	
GN 32B	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6	248,5	
GN 40	65	14	5	36	48	65x98	48	73,5	88,6	103,7	239,6	
GN 40B	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6	248,5	
GN 63	65	14	5	36	48	65x98	48	77,3	95,4	113,5	276,4	
GN 63B	90	16	6	41,5	68	90x122	60	86,2	104,3	122,4	256,8	
GN 125	90	16	6	41,5	68	90x122	60	95,8	124,9	154	423,4	

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*



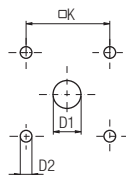
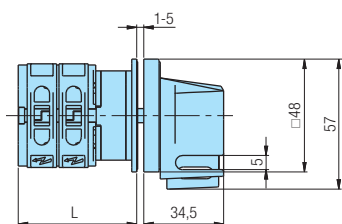
93
95

Zaključavanje samo u "0". Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom. Kut zakreta 60° i 90°.

Locking only in "0". Protection against an accidental contact with the supplying terminals under voltage. Switching angle 60° and 90°.



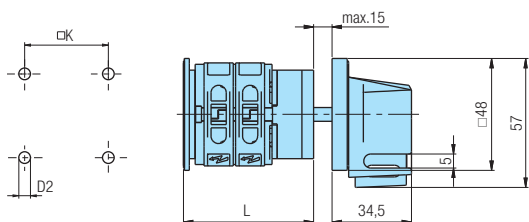
Plan bušenja / Drilling plan
Prednji lim / Front panel



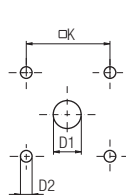
Serijska / Series GN - U

Tip Type	Oznaka / Marking			L			
	D1	D2	OK	1	2	3...12	
GN 12	12	5	36	33,1	42,8	52,5	139,8
GN 20	12	5	36	33,1	42,8	52,5	139,8
GN 25	12	5	36	37,5	51,1	64,7	187,1

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - O

Tip Type	Oznaka / Marking			L			
	D1	D2	OK	1	2	3...12	
GN 12	12	5	36	38,1	47,8	57,5	144,8
GN 20	12	5	36	38,1	47,8	57,5	144,8
GN 25	12	5	36	42,5	56,1	69,7	192,1

SPOJKA ZA VRATA *DOOR COUPLING*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

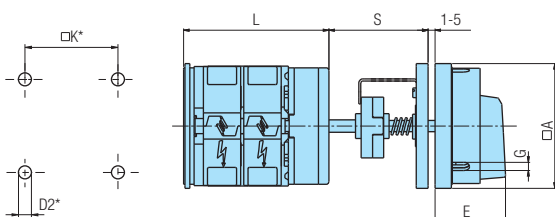


99

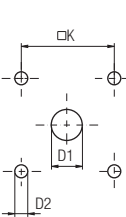
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°. Ukoliko je traženi "S" veći od ponudjenog, potrebno je definirati "S" ili dubinu ormara (L+S). Minimalna udaljenost od šarke 150 mm.

Padlocking (1 - 3) only in "0". Door-opening only in "0" položaju. Protection against an accidental contact with the terminals under voltage only in "0". Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - O

Tip Type	Oznaka / Marking							L			
	OK	D1	D2	E	G	OK	S	1	2	3...12	
GN 12H	65	12	5	34,2	6	48	60	41,1	50,8	60,5	147,8
GN 20H	65	12	5	34,2	6	48	60	41,1	50,8	60,5	147,8
GN 25H	65	12	5	34,2	6	48	60	45,5	59,1	72,7	195,1
GN 32	65	14	5	38	6	48	64	51,5	66,6	81,7	217,6
GN 32H	90	14	6	49	7	68	64	51,5	66,6	81,7	217,6
GN 40	65	14	5	38	6	48	64	51,5	66,6	81,7	217,6
GN 40H	90	14	6	49	7	68	64	51,5	66,6	81,7	217,6
GN 63*	65	14	5	38	6	48	64	57,3	75,4	93,5	256,4
GN 63H	90	14	6	49	7	68	64	57,3	75,4	93,5	256,4
GN 125	90	16	6	49	7	68	76	74,8	103,9	133	394,9

za / for GN63 D2*=6 OK*=68

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

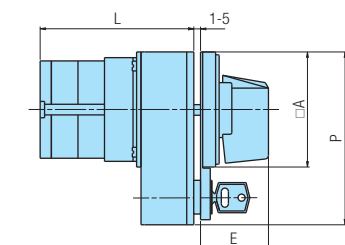
SKLOPKE SA ZAKLJUČAVANJEM SWITCHES WITH LOCKING



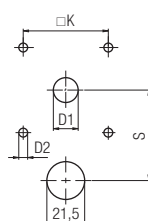
05

Standardno zaključavanje u "0" - moguće i u drugim položajima (potrebno definirati). Ključ se vadi samo u zaključanom položaju.

In standard manner locking is in "0" - possible in other positions, too (please define). The key can be pulled out only in locked position.



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L			
	A	D1	D2	E	K	P	S	1	2	3...12	
GN 12H	65	12	5	36	48	65x98	48	63,6	73,3	83	170,3
GN 20H	65	12	5	36	48	65x98	48	63,6	73,3	83	170,3
GN 25H	65	12	5	36	48	65x98	48	68	81,6	95,2	217,6
GN 32	65	14	5	36	48	65x98	48	73,5	88,6	103,7	239,6
GN 32B*	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6	248,5
GN 40	65	14	5	36	48	65x98	48	73,5	88,6	103,7	239,6
GN 40B*	90	16	6	41,5	68	90x122	60	82,4	97,5	112,6	248,5
GN 63	65	14	5	36	48	65x98	48	77,3	95,4	113,5	276,4
GN 63B*	90	16	6	41,5	68	90x122	60	86,2	104,3	122,4	256,8
GN 125*	90	16	6	41,5	68	90x122	60	95,8	124,9	154	423,4

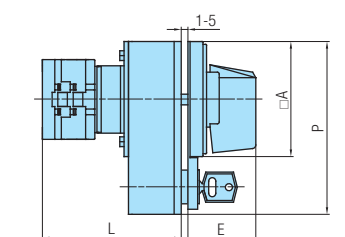
Serijska / Series GF - U

Tip Type	Oznaka / Marking							L			
	A	D1	D2	E	K	P	S	1	2	3...12	
GF 20H	65	12	5	36	48	65x98	48	71,5	85	98,5	220

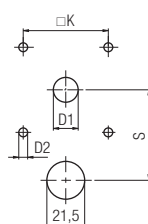
Serijska / Series G/4G - U

Tip Type	Oznaka / Marking							L											
	□A	D1	D2	E	□K	P	S	1	2	3	4	5	6	7	8	9	10	11	12
4G200*	132	16	5,3	56,5	104	132x168	85	103	133	162	192	222	252	310	340	369	399	428	458
G315*	132	16	5,3	56,5	104	132x168	85	103	133	162	192	222	252	310	340	369	399	428	458
4G400*	132	16	5,3	56,5	104	132x168	85	-	133	-	192	-	252	-	340	-	399	-	458
G630*	132	16	5,3	56,5	104	132x168	85	-	133	-	192	-	252	-	340	-	399	-	458
G900*	132	16	5,3	56,5	104	132x168	85	-	-	162	-	-	252	-	-	369	-	-	458
G1200*	132	16	5,3	56,5	104	132x168	85	-	133	-	192	-	252	-	-	-	399	-	458
G1600*	132	16	5,3	56,5	104	132x168	85	-	-	162	-	-	252	-	-	369	-	-	458
G2000*	132	16	5,3	56,5	104	132x168	85	-	-	-	192	-	-	-	340	-	-	-	458

*Metalna konstrukcija / Metal design



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GX - U

Tip Type	Oznaka / Marking							L			
	A	D1	D2	E	K	P	S	1	2	3...12	
GX 16H	65	12	5	36	48	65x98	48	70,5	79	87,5	164
GX 20H	65	12	5	36	48	65x98	48	70,5	79	87,5	164
GX 32	65	14	5	36	48	65x98	48	78	90	102	210
GX 40	65	14	5	36	48	65x98	48	78	90	102	210

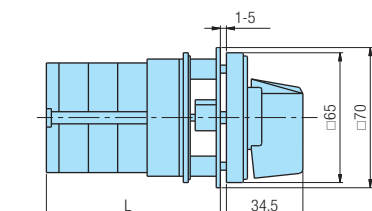
SKLOPKE SA ZAKLJUČAVANJEM SWITCHES WITH LOCKING



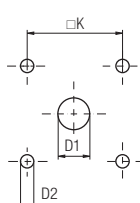
13

Utični ključ. Standardno vađenje ključa u "0". Na poseban zahtjev moguće i u drugim položajima pod 90°.

Socket key. In a standard manner pull-out of the key in "0". Possible in other positions at the angle of 90° (please define).



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L			
	D1	D2	K					1	2	3...12	
GN 12H	12	5	48	48,6	58,3	68	155,3				
GN 20H	12	5	48	48,6	58,3	68	155,3				
GN 25H	12	5	48	53	67	80,2	202,6				
GN 32	14	5	48	58,5	73,6	88,7	224,6				
GN 40	14	5	48	58,5	73,6	88,7	224,6				
GN 63	14	5	48	62,3	80,4	98,5	261,4				

Serijska / Series GF - U

Tip Type	Oznaka / Marking							L			
	D1	D2	K					1	2	3...12	
GF 20H	12	5	48	57	70,5	84	205,5				

Serijska / Series GX - U

Tip Type	Oznaka / Marking							L			
	D1	D2	K					1	2	3...12	
GX 16H	12	5	48	55,5	64	72,5	149				
GX 20H	12	5	48	55,5	64	72,5	149				
GX 32	14	5	48	63	75	87	195				
GX 40	14	5	48	63	75	87	195				

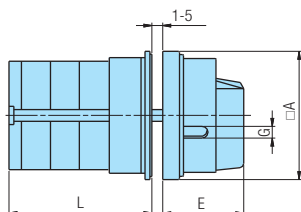
POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SKLOPKE SA ZAKLJUČAVANJEM SWITCHES WITH LOCKING

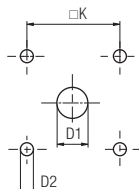
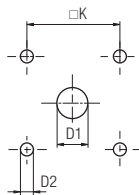
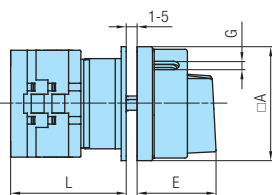
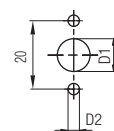
06

Standardno zaključavanje u "0". Koristi se kod sklopki 0-1 (60°, 90°). Moguća upotreba (60°) s većim brojem položaja (max. 6).

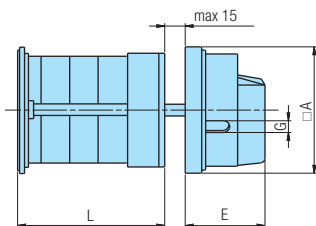
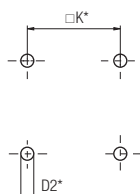
In standard manner locking is in "0". Used at switches 0-1 (60°, 90°). Possible use (60°) with several positions (max. 6).



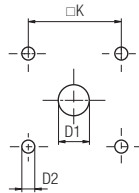
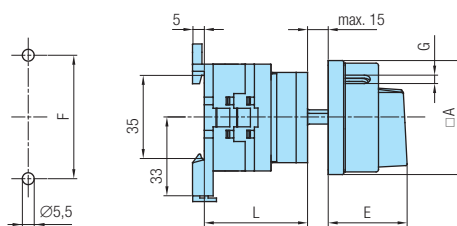
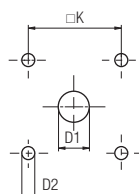
Plan bušenja / Drilling plan
Prednji lim / Front panel


GF10H


Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijsa / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GN 12	48	12	5	34,2	5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	38	6	48	33,6	43,3	53	140,3
GN 20	48	12	5	34,2	5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	38	6	48	33,6	43,3	53	140,3
GN 25	48	12	5	34,2	5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	38	6	48	38	51,6	65,2	187,6
GN 32	65	14	5	38	6	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	49	7	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	38	6	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	49	7	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	38	6	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	49	7	68	48	66,1	84,2	247,1
GN 125	90	16	6	49	7	68	67,3	96,4	125,5	387,4

Serijsa / Series GF - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
*GF 10H	48	12	5	34,2	5	-	45,5	57,5	69,5	-
GF 20	48	12	5	34,2	5	36	41	54,5	68	189,5
GF 20H	65	12	5	38	6	48	41,5	55	68,5	190

*GF10H max. 8 elem.

Serijsa / Series GX - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GX 16	48	12	5	34,2	36	5	40	48,5	57	133,5
GX 16H	65	12	5	38	48	6	40,5	49	57,5	134
GX 20	48	12	5	34,2	36	5	40	48,5	57	133,5
GX 20H	65	12	5	38	48	6	40,5	49	57,5	134
GX 32	65	14	5	38	48	6	48	60	72	180
GX 32H	90	14	6	49	68	7	50	62	74	182
GX 40	65	14	5	38	48	6	48	60	72	180
GX 40H	90	14	6	49	68	7	50	62	74	182

Serijsa / Series GN - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GN 12	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	38	6	48	38,6	48,3	58	145,3
GN 20	48	12	5	34,2	5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	38	6	48	38,6	48,3	58	145,3
GN 25	48	12	5	34,2	5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	38	6	48	43	56,6	70,2	192,6
GN 32	65	14	5	38	6	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	49	7	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	38	6	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	49	7	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	38	6	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	49	7	68	55	73,1	91,2	254,1
GN 125	90	16	6	49	7	68	74,8	103,9	133	394,9

* za / for GN63 D2*=6 K*=68

Serijsa / Series GF - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	G	K	1	2	3...12	
GF 20	48	12	5	34,2	5	36	46	59,5	73	194,5
GF 20H	65	12	5	38	6	48	47	60,5	74	195,5

Serijsa / Series GX - O

Typ Type		Oznaka / Marking						L			
	□A	D1	D2	E	F	□K	G	1	2	3....12	
GX 16	48	12	5	34,2	52	36	5	37	45,5	54	130,5
GX 16H	65	12	5	38	52	48	6	37	45,5	54	130,5
GX 20	48	12	5	34,2	52	36	5	37	45,5	54	130,5
GX 20H	65	12	5	38	52	48	6	37	45,5	54	130,5
GX 32	65	14	5	38	68	48	6	48	60	72	180
GX 32H	90	14	6	49	68	68	7	48	60	72	180
GX 40	65	14	5	38	68	48	6	48	60	72	180
GX 40H	90	14	6	49	68	68	7	48	60	72	180

Serijsa / Series GN

RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
crna / black	crna / black	crna / black	
siva / grey	siva / grey	siva / grey	20
crvena / red	žuta / yellow	žuta / yellow	40

Serijsa / Series GF/GX

RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE
siva / grey	siva / grey	siva / grey

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

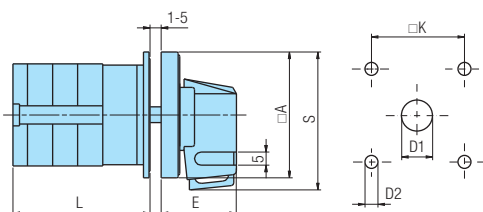
SKLOPKE SA ZAKLJUČAVANJEM SWITCHES WITH LOCKING


56

Standardno zaključavanje u "0" - moguće i u drugim položajima (potrebno definirati). Moguća zaključavanja s 1 - 3 lokota.

In standard manner locking is in "0" - possible in other positions, too (please define). It is possible to use 1 - 3 padlocks.

Plan bušenja / Drilling plan
Prednji lim / Front panel

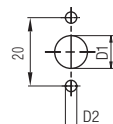


Serijska / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GN 12	48	12	5	34,5	36	57	33,1	42,8	52,5	139,8
GN 20	48	12	5	34,5	36	57	33,1	42,8	52,5	139,8
GN 25	48	12	5	34,5	36	57	37,5	51,1	64,7	187,1



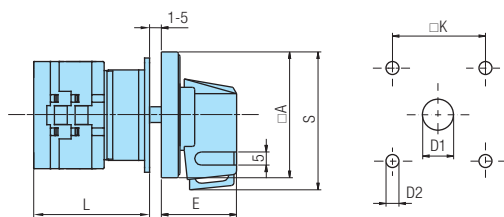
GF10H



Serijska / Series GF - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GF 10H	48	9	3,2	34,5	-	57	45	57	69	-
GF 20	48	12	5	34,5	36	57	41	54,5	68	189,5

*GF10H max. 8 elem.

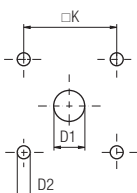
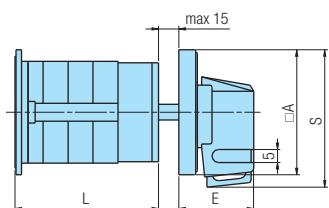
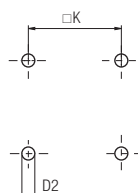


Serijska / Series GX - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GX 16	48	12	5	34,5	36	57	40	48,5	57	133,5
GX 20	48	12	5	34,5	36	57	40	48,5	57	133,5

Plan bušenja / Drilling plan
Stražnji lim / Rear panel

Plan bušenja / Drilling plan
Prednji lim / Front panel

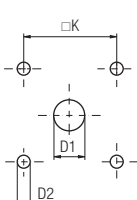
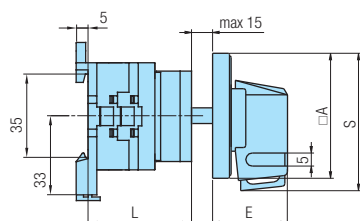
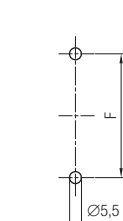


Serijska / Series GN - 0

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GN 12	48	12	5	34,5	36	57	38,1	47,8	57,5	144,8
GN 20	48	12	5	34,5	36	57	38,1	47,8	57,5	144,8
GN 25	48	12	5	34,5	36	57	42,5	56,1	69,7	192,1

Serijska / Series GF - 0

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GF 20	48	12	5	34,5	36	57	46	59,5	73	194,5



Serijska / Series GX - 0

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	F	K	S	1	2	3...12
GX 16	48	12	5	34,5	52	36	57	37	45,5	54
GX 20	48	12	5	34,5	52	36	57	37	45,5	54

Serijska / Series GN

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	
siva / grey	siva / grey	bijela / white	20
crvena-žuta / red-yellow	žuta / yellow	žuta / yellow	40

Serijska / Series GF/GX

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	
siva / grey	siva / grey	bijela / white	20

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SKLOPKE SA ZAKLJUČAVANJEM SWITCHES WITH LOCKING

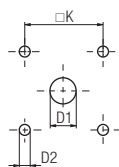
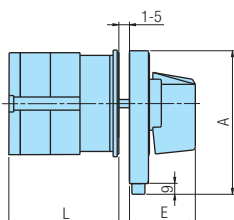


06D

Standardno zaključavanje u "0" - moguće i u drugim položajima (potrebno definirati). Moguća zaključavanja s 1 - 4 lokota.

In standard manner locking is in "0" - possible in other positions, too (please define). It is possible to use 1 - 4 padlocks.

Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	□K		1	2	3.....12	
GN 32H	90x112	14	6	48	68	44,2	59,3	74,4	210,3	
GN 40H	90x112	14	6	48	68	44,2	59,3	74,4	210,3	
GN 63H	90x112	14	6	48	68	48	66,1	84,2	247,1	
GN 125	90x112	16	6	48	68	67,3	96,4	125,5	394,9	

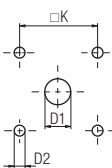
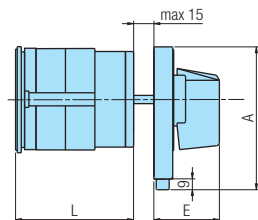
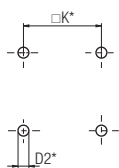
Serijska / Series G/4G - U

Oznaka / Marking						L												
Tip Type	A	D1	D2	E	□K	1	2	3	4	5	6	7	8	9	10	11	12	
4G200	132x156,5	16	5,3	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432	
G315	132x156,5	16	5,3	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432	
4G400	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432	
G630	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432	
G900	132x156,5	16	5,3	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432	
G1200	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	-	-	373	-	432	
G1600	132x156,5	16	5,3	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432	
G2000	132x156,5	16	5,3	62,5	104	-	-	-	166	-	-	-	314	-	-	-	432	

Serijska / Series GX - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	□K		1	2	3.....12	
GX 32H	90x112	14	6	48	68	50	62	74	182	
GX 40H	90x112	14	6	48	68	50	62	74	182	

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel

Serijska / Series GN - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	□K		1	2	3.....12	
GN 32H	90x112	14	6	48	68	49,2	64,3	79,4	215,3	
GN 40H	90x112	14	6	48	68	49,2	64,3	79,4	215,3	
GN 63H	90x112	14	6	48	68	55	73,1	91,2	254,1	
GN 125	90x112	16	6	48	68	74,8	103,9	133	394,9	

Serijska / Series G/4G - O

Tip Type	Oznaka / Marking					L												
	A	D1	D2	E	□K	1	2	3	4	5	6	7	8	9	10	11	12	
4G200	132x156,5	16	5,3	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432	
G315	132x156,5	16	5,3	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432	
4G400	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432	
G630	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432	
G900	132x156,5	16	5,3	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432	
G1200	132x156,5	16	5,3	62,5	104	-	107	-	166	-	226	-	-	-	373	-	432	
G1600	132x156,5	16	5,3	62,5	104	-	-	-	136	-	-	226	-	-	343	-	432	
G2000	132x156,5	16	5,3	62,5	104	-	-	-	166	-	-	-	314	-	-	-	432	

Serijska / Series GX - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	F	□K		1	2	3.....12	
GX 32H	90x112	14	6	68	68	48	60	72	180	
GX 40H	90x112	14	6	68	68	48	60	72	180	

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	
siva / grey	siva / grey	bijela / white	20
crvena / red	žuta / yellow	žuta / yellow	40
crna / black	crna / black	crna / black	50

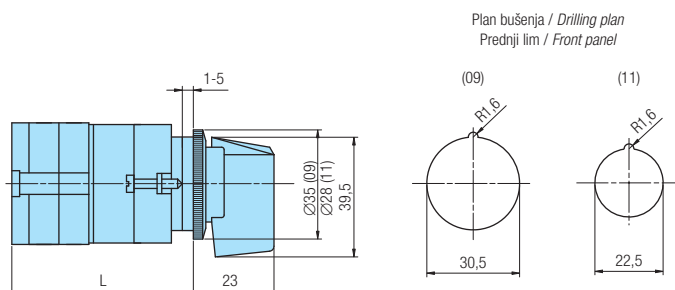
POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA CENTRAL MOUNTING



**09
11**

Ugradnja u $\varnothing 30$ mm (posebna izvedba 09) odnosno $\varnothing 22$ (posebna izvedba 11)
Mounting into $\varnothing 30$ mm (optional extra 09) or into $\varnothing 22$ mm (optional extra 11)

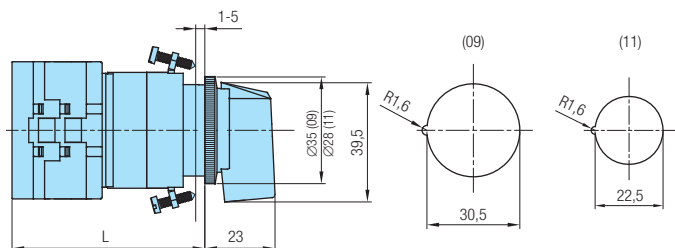


Serijska / Series GN - U

Tip Type	L			
	1	2	3...	8
GN 12	47	56,7	66,4	114,9
GN 20	47	56,7	66,4	114,9
GN 25	51,4	65	78,6	146,6

Serijska / Series GF - U

Tip Type	L			
	1	2	3...	12
GF 20	54,5	68	81,5	203



Serijska / Series GX - U

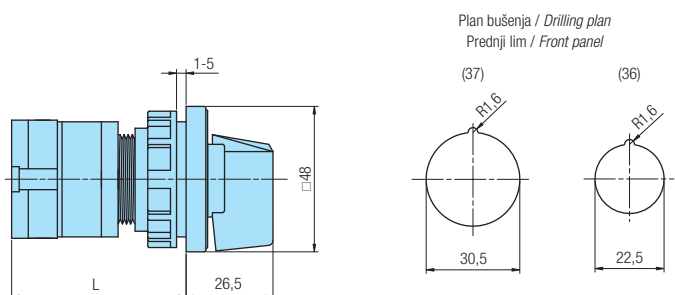
Tip Type	L			
	1	2	3...	12
GX 16	54	62,5	71	147,5
GX 20	54	62,5	71	147,5

CENTRALNA UGRADNJA CENTRAL MOUNTING



**36
37**

Brza ugradnja u $\varnothing 22$ mm (posebna izvedba 36) odnosno $\varnothing 30$ (posebna izvedba 37)
Quick mounting into $\varnothing 22$ mm (optional extra 36) or into $\varnothing 30$ mm (optional extra 37)

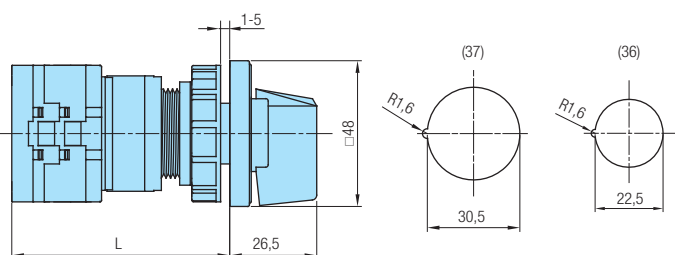


Serijska / Series GN - U

Tip Type	L			
	1	2	3...	12
GN 12	47	56,7	66,4	159,7
GN 20	47	56,7	66,4	159,7
GN 25	51,4	65	78,6	207

Serijska / Series GF - U

Tip Type	L			
	1	2	3...	12
GF 20	54,5	68	81,5	203



Serijska / Series GX - U

Tip Type	L			
	1	2	3...	12
GX 16	54	62,5	71	147,5
GX 20	54	62,5	71	147,5

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA CENTRAL MOUNTING

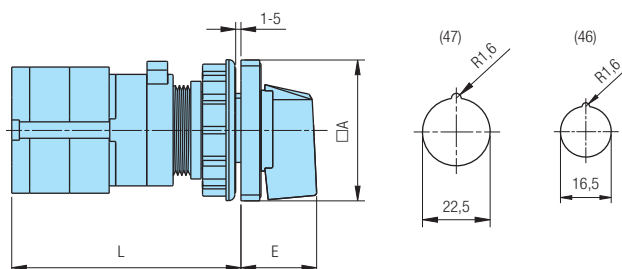


**47
46**

Brza ugradnja u $\varnothing 22$ mm (posebna izvedba 47), odnosno $\varnothing 16$ mm (posebna izvedba 46 - samo za GF10). Utična montaža kontaktnog bloka i prednjeg sklopa (odvajanje u položaju "0"). Olakšano ožičenje sklopke.

Quick mounting into $\varnothing 22$ mm (optional extra 47) or into $\varnothing 16$ mm (optional extra 46 - only for GF10). Snap-on mounting of contact block with front part (separation in position "0"). Relief the cable connection.

Plan bušenja / Drilling plan
Prednji lim / Front panel

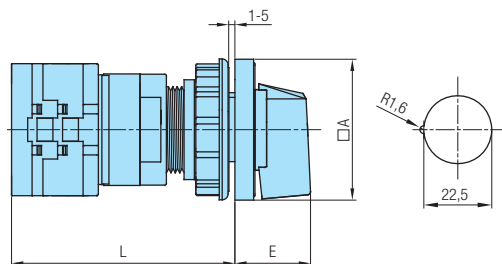


Serijska / Series GN - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GN 12	48	26,5	58	67,7	77,4	164,7
GN 20	48	26,5	58	67,7	77,4	164,7
GN 25	48	26,5	62,4	76	89,6	212

Serijska / Series GF - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GF 10*	30	18,5	60	72	84	-
GF 20	48	26,5	56	69,5	83	204,5



Serijska / Series GX - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GX 16	48	26,5	64,9	73,4	81,9	158,4
GX 20	48	26,5	64,9	73,4	81,9	158,4

CENTRALNA UGRADNJA CENTRAL MOUNTING

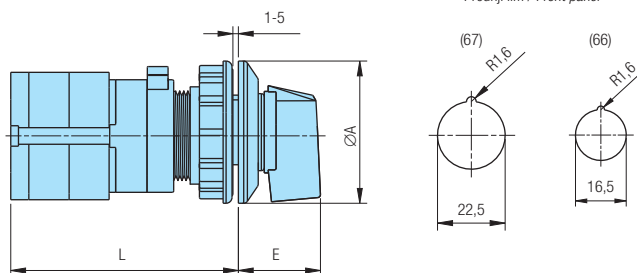


**67
66**

Brza ugradnja u $\varnothing 22$ mm (posebna izvedba 67), odnosno $\varnothing 16$ mm (posebna izvedba 66 - samo za GF10). Utična montaža kontaktnog bloka i prednjeg sklopa (odvajanje u položaju "0"). Olakšano ožičenje sklopke.

Quick mounting into $\varnothing 22$ mm (optional extra 67) or into $\varnothing 16$ mm (optional extra 66 - only for GF10). Snap-on mounting of contact block with front part (separation in position "0"). Relief the cable connection.

Plan bušenja / Drilling plan
Prednji lim / Front panel



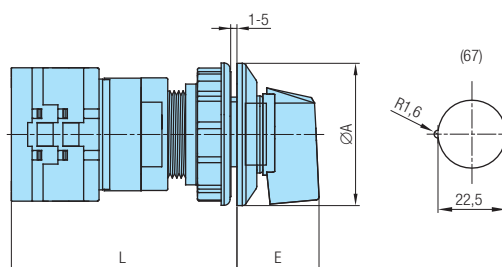
Serijska / Series GN - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GN 12	48	28	58	67,7	77,4	164,7
GN 20	48	28	58	67,7	77,4	164,7
GN 25	48	28	62,4	76	89,6	212

Serijska / Series GF - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GF 10*	30	22	60	72	84	-
GF 20	48	28	58	69,5	83	204,5

*GF10H max. 8 elem.



Serijska / Series GX - U

Tip Type	Oznaka / Marking		L			
	ØA	E	1	2	3...12	
GX 16	48	28	64,9	73,4	81,9	158,4
GX 20	48	28	64,9	73,4	81,9	158,4

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

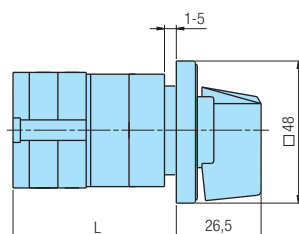
CENTRALNA UGRADNJA *CENTRAL MOUNTING*



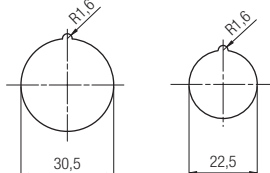
20

Ugradnja u Ø22 mm odnosno Ø30 mm. Montaža s dva vijka.

Mounting into Ø22 mm or into Ø30 mm with two screws.



Plan bušenja / Drilling plan
Prednji lim / Front panel

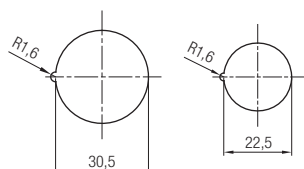
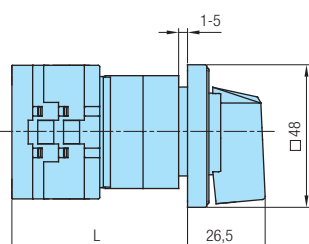


Serijska / Series GN - U

Tip	L			
Type	1	2	3...8	
GN 12	42,3	52	61,7	149
GN 20	42,3	52	61,7	149
GN 25	46,7	60,3	73,9	196,3

Serijska / Series GF - U

Tip	L			
Type	1	2	3...12	
GF 20	50,2	63,7	77,2	198,7



Serijska / Series GX - U

Tip	L			
Type	1	2	3...12	
GX 16	49,2	57,7	66,2	142,7
GX 20	49,2	57,7	66,2	142,7

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM *CENTRAL MOUNTING - SWITCHES WITH LOCKING*

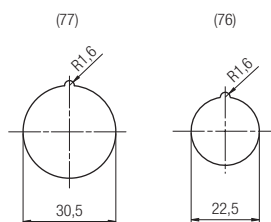
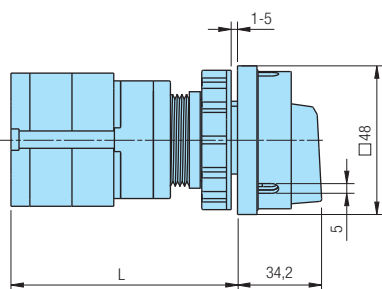
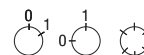


76

77

Brza montaža u Ø22 mm (posebna izvedba 76) odnosno Ø30 (posebna izvedba 77). Zaključavanje (1 - 3 lokota) u "0".

Quick mounting in Ø22 mm (optional extra 76) or into Ø30 mm (optional extra 77). Padlocking (1 - 3) in "0".

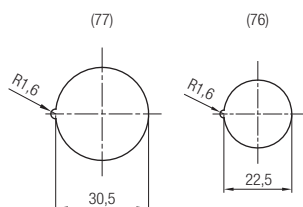
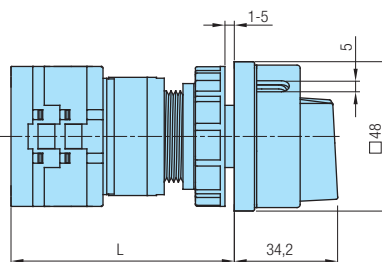


Serijska / Series GN - U

Tip	L			
Type	1	2	3...8	
GN 12	53	62,7	72,4	159,7
GN 20	53	62,7	72,4	159,7
GN 25	57,4	71	84,6	207

Serijska / Series GF - U

Tip	L			
Type	1	2	3...12	
GF 20	54,5	68	81,5	203



Serijska / Series GX - U

Tip	L			
Type	1	2	3...12	
GX 16	59,9	68,4	76,9	153,4
GX 20	59,9	68,4	76,9	153,4

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING

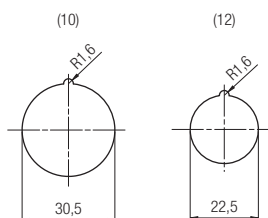
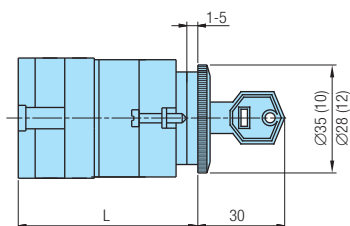


10
12

Ugradnja u $\varnothing 30$ mm (posebna izvedba 10) odnosno $\varnothing 22$ mm (posebna izvedba 12). Zaključavanje odnosno vađenje ključa pod 90° .
Moguća 1 - 4 zaključana položaja unutar 360° (potrebno definirati).

Mounting into $\varnothing 30$ mm (optional extra 10) or into $\varnothing 22$ mm (optional extra 12). Locking and pull-out of the key at 90° .
Possible 1 - 4 locked positions within 360° (please define).

Plan bušenja / Drilling plan
Prednji lim / Front panel

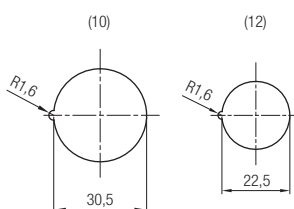
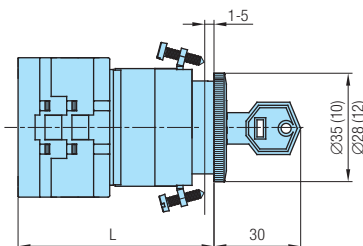


Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	47	56,7	66,4	114,9
GN 20	47	56,7	66,4	114,9
GN 25	51,4	65	78,6	146,6

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	54,5	68	81,5	149



Serijska / Series GX - U

Tip Type	L			
	1	2	3...8	
GX 16	54	62,5	71	113,4
GX 20	54	62,5	71	113,4

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING

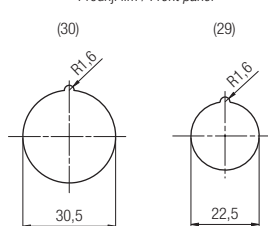
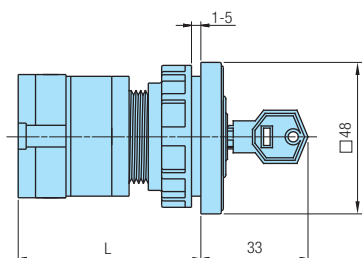


29
30

Brza ugradnja u $\varnothing 22$ mm (posebna izvedba 29) odnosno $\varnothing 30$ mm (posebna izvedba 30). Zaključavanje odnosno vađenje ključa pod 90° .
Moguća 1 - 4 zaključana položaja unutar 360° (potrebno definirati).

Quick mounting into $\varnothing 22$ mm (optional extra 29) or into $\varnothing 30$ mm (optional extra 30). Locking and pull-out of the key at 90° .
Possible 1 - 4 locked positions within 360° (please define).

Plan bušenja / Drilling plan
Prednji lim / Front panel

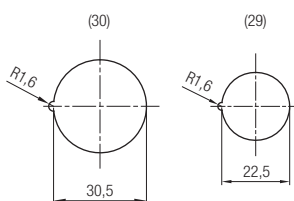
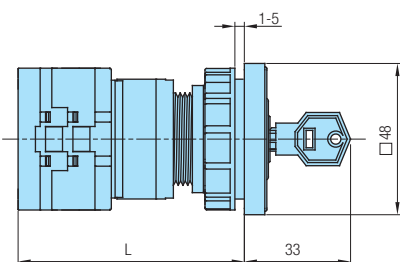


Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	47	56,7	66,4	114,9
GN 20	47	56,7	66,4	114,9
GN 25	51,4	65	78,6	146,6

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	54,5	68	81,5	149



Serijska / Series GX - U

Tip Type	L			
	1	2	3...8	
GX 16	54	62,5	71	113,4
GX 20	54	62,5	71	113,4

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM

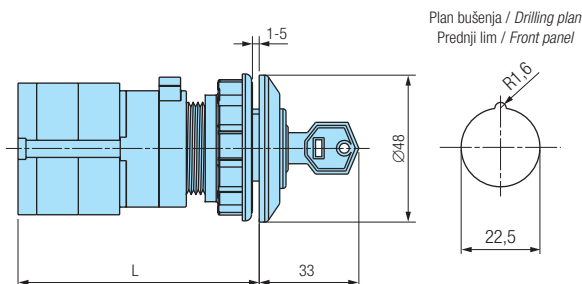
CENTRAL MOUNTING - SWITCHES WITH LOCKING



29K

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Olakšano ožičenje sklopke. Zaključavanje odnosno vađenje ključa pod 90°. Moguća 1 - 4 zaključana položaja unutar 360° (potrebno definirati).

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Relief the cable connection. Locking and pull-out of the key at 90°. Possible 1 - 4 locked positions within 360° (please define).

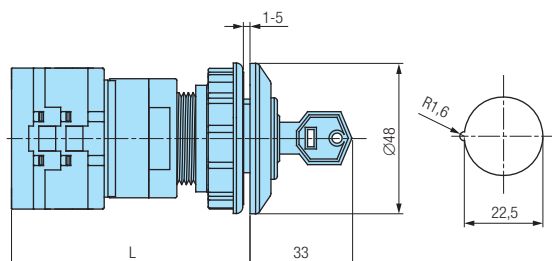


Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	58	67,7	77,4	114,9
GN 20	58	67,7	77,4	114,9
GN 25	62,4	76	89,6	146,6

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	54,5	68	81,5	149



Serijska / Series GX - U

Tip Type	L			
	1	2	3...8	
GX 16	64,9	73,4	81,9	124,4
GX 20	64,9	73,4	81,9	124,4

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM

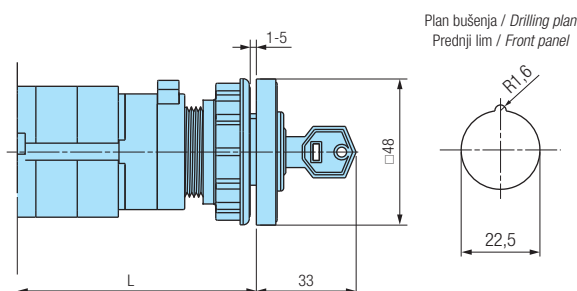
CENTRAL MOUNTING - SWITCHES WITH LOCKING



29D

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Olakšano ožičenje sklopke. Zaključavanje odnosno vađenje ključa pod 90°. Moguća 1 - 4 zaključana položaja unutar 360° (potrebno definirati).

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Relief the cable connection. Locking and pull-out of the key at 90°. Possible 1 - 4 locked positions within 360° (please define).

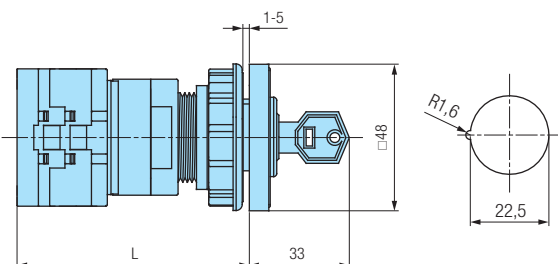


Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	58	67,7	77,4	114,9
GN 20	58	67,7	77,4	114,9
GN 25	62,4	76	89,6	146,6

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	54,5	68	81,5	149



Serijska / Series GX - U

Tip Type	L			
	1	2	3...8	
GX 16	64,9	73,4	81,9	124,4
GX 20	64,9	73,4	81,9	124,4

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING

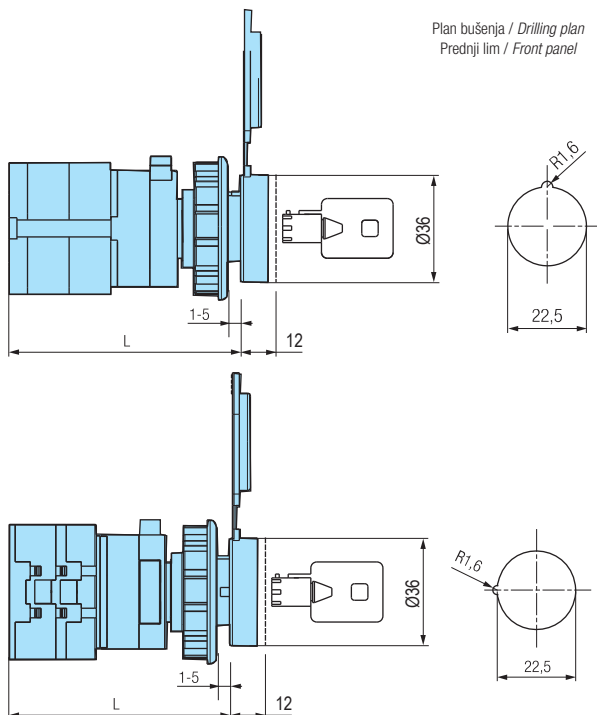

29S

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Olakšano ožičenje sklopke. Sklopka je namijenjena za otežane uvjete rada (otpornost na povećane vibracije).

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Relief the cable connection. The switch is intended for heavy duty (resistance to increased vibrations).



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	58	68,5	78,2	126,7
GN 20	58	68,5	78,2	126,7
GN 25	66,6	76,3	86	134,5

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	66,2	79,7	93,2	160,7

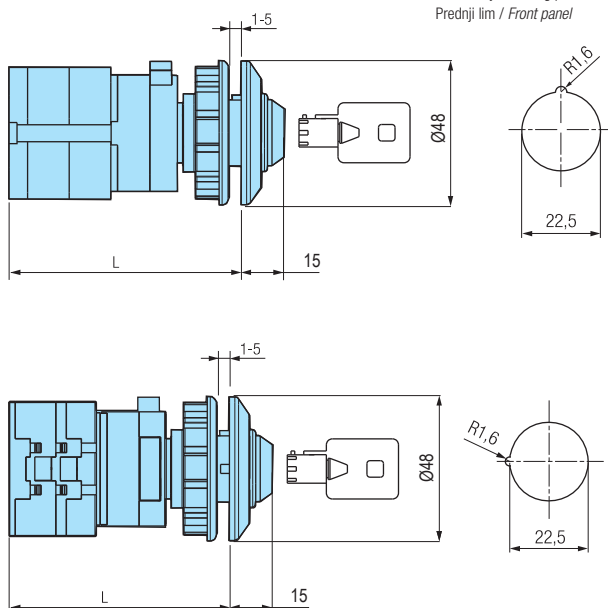

29P

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Olakšano ožičenje sklopke. Sklopka je namijenjena za otežane uvjete rada (otpornost na povećane vibracije).

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Relief the cable connection. The switch is intended for heavy duty (resistance to increased vibrations).



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	L			
	1	2	3...8	
GN 12	58,8	68,5	78,2	126,7
GN 20	58,8	68,5	78,2	126,7
GN 25	66,6	76,3	86	134,5

Serijska / Series GF - U

Tip Type	L			
	1	2	3...8	
GF 20	66,2	79,7	93,2	160,7

Serijska / Series GX - U

Tip Type	L			
	1	2	3...8	
GX 16	64,8	73,3	81,8	124,3
GX 20	64,8	73,3	81,8	124,3

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

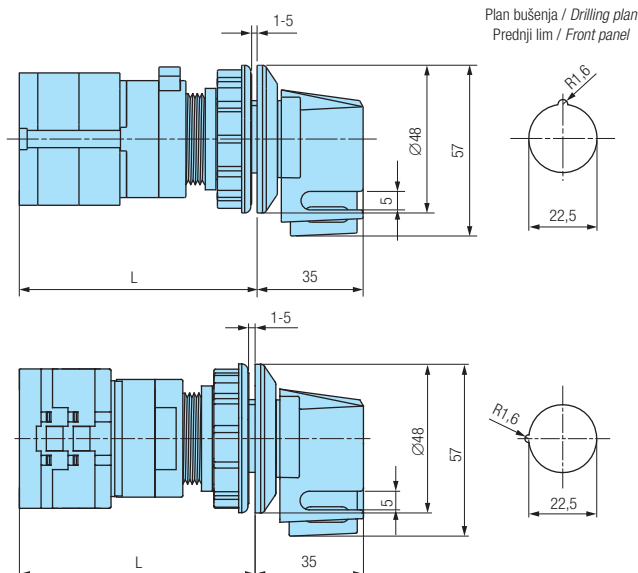
CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM *CENTRAL MOUNTING - SWITCHES WITH LOCKING*



41K

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Zaključavanje (1 - 3 lokota) u "0". Olakšano ožičenje sklopke.

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Padlocking (1 - 3) in "0". Relief the cable connection.



Serijska / Series GN - U

Tip Type	L			
	1	2	3...12	
GN 12	58	67,7	77,4	164,7
GN 20	58	67,7	77,4	164,7
GN 25	62,4	76	89,6	212

Serijska / Series GF - U

Tip Type	L			
	1	2	3...12	
GF 20	54,5	68	81,5	203

Serijska / Series GX - U

Tip Type	L			
	1	2	3...12	
GX 16	64,9	73,4	81,9	158,4
GX 20	64,9	73,4	81,9	158,4

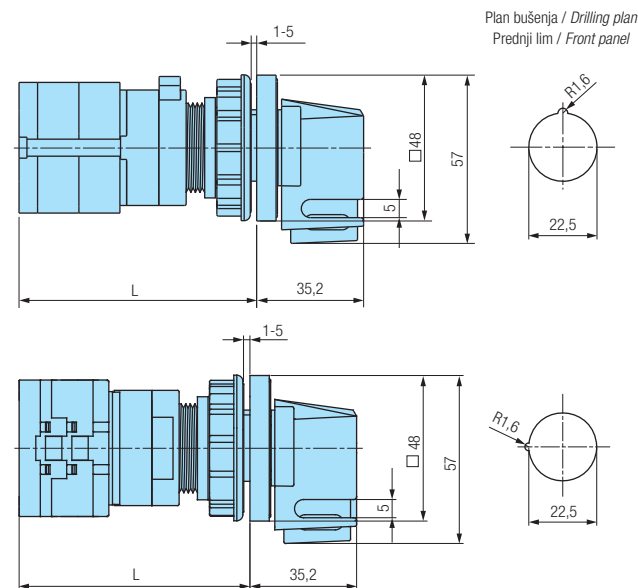
CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM *CENTRAL MOUNTING - SWITCHES WITH LOCKING*



41D

Ugradnja u Ø22 mm. Utična montaža kontaktnog bloka i prednjeg sklopa. Zaključavanje (1 - 3 lokota) u "0". Olakšano ožičenje sklopke.

Mounting into Ø22 mm. Snap-on mounting of contact block with front part. Padlocking (1 - 3) in "0". Relief the cable connection.



Serijska / Series GN - U

Tip Type	L			
	1	2	3...12	
GN 12	58	67,7	77,4	164,7
GN 20	58	67,7	77,4	164,7
GN 25	62,4	76	89,6	212

Serijska / Series GF - U

Tip Type	L			
	1	2	3...12	
GF 20	54,5	68	81,5	203

Serijska / Series GX - U

Tip Type	L			
	1	2	3...12	
GX 16	64,9	73,4	81,9	158,4
GX 20	64,9	73,4	81,9	158,4

Serijska GN/GF/GX(41D) / Series GN/GF/GX(41D)

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	
siva / grey	siva / grey	bijela / white	20
crvena-žuta / red-yellow	žuta / yellow	žuta / yellow	40

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING

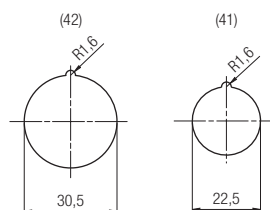
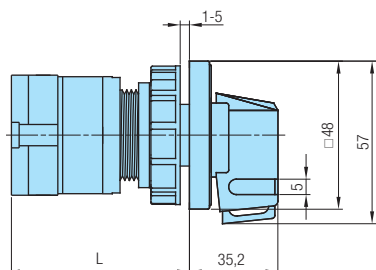


41
42

Brza montaža u Ø22 mm (posebna izvedba 41) odnosno Ø30 mm (posebna izvedba 42). Zaključavanje (1 - 3 lokota) u "0".

Quick mounting in Ø22 mm (optional extra 41) or into Ø30 mm (optional extra 42). Padlocking (1 - 3) in "0".

Plan bušenja / Drilling plan
Prednji lim / Front panel

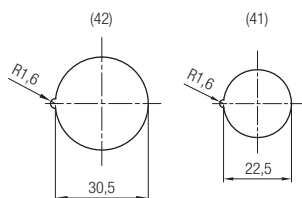
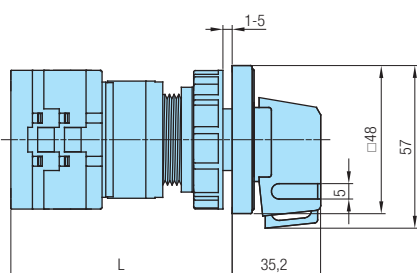


Serijsa / Series GN - U

Tip Type	1	2	3...12	L
GN 12	53	62,7	72,4	159,7
GN 20	53	62,7	72,4	159,7
GN 25	57,4	71	84,6	207

Serijsa / Series GF - U

Tip Type	1	2	3...12	L
GF 20	54,5	68	81,5	203



Serijsa / Series GX - U

Tip Type	1	2	3...12	L
GX 16	59,9	68,4	76,9	153,4
GX 20	59,9	68,4	76,9	153,4

CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING

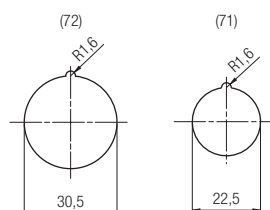
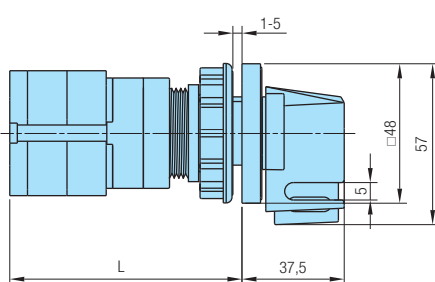


71
72

Brza montaža u Ø22 mm (posebna izvedba 71) odnosno Ø30 mm (posebna izvedba 72). Zaključavanje (1 - 3 lokota) u "0".

Quick mounting in Ø22 mm (optional extra 71) or into Ø30 mm (optional extra 72). Padlocking (1 - 3) in "0".

Plan bušenja / Drilling plan
Prednji lim / Front panel

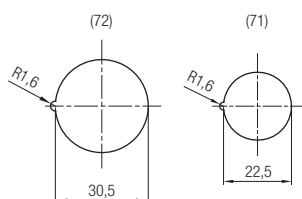
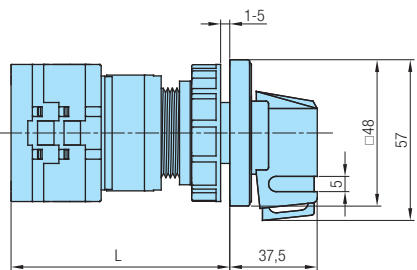


Serijsa / Series GN - U

Tip Type	1	2	3...12	L
GN 12	53	62,7	72,4	159,7
GN 20	53	62,7	72,4	159,7
GN 25	57,4	71	84,6	207

Serijsa / Series GF - U

Tip Type	1	2	3...12	L
GF 20	54,5	68	81,5	203



Serijsa / Series GX - U

Tip Type	1	2	3...12	L
GX 16	59,9	68,4	76,9	153,4
GX 20	59,9	68,4	76,9	153,4

Serijsa GN/GF/GX/(41/42, 71/72) / Series GN/GF/GX/(41/42, 71/72)

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	cma / black	bijela / white	
siva / grey	siva / grey	bijela / white	20
crvena - žuta / red - yellow	žuta / yellow	žuta / yellow	40

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

BLOKADE POLOŽAJA - DVORUČNO UPRAVLJANJE BLOCKADE OF POSITIONS-TWO HANDS OPERATING



16
17
26
27

Izvedbe **16** i **26** bez, odnosno izvedbe **17** i **27** s pomoćnim kontaktima. Kod posebnih izvedbi **17** i **27** moguća izvedba s jednim ili dva para uklopno - isključnih kontakata. Posebne izvedbe **26** i **27** omogućuju zaključavanje jednim lokotom.

Upravljanje kontaktima ostvaruje se prije funkcije sklopke.

Standardno: blokada položaja u "0", pomoćni kontakti 1NO + 1NC.

Nestandardnu blokadu položaja i broj pomoćnih kontakata potrebno je definirati narudžbom.

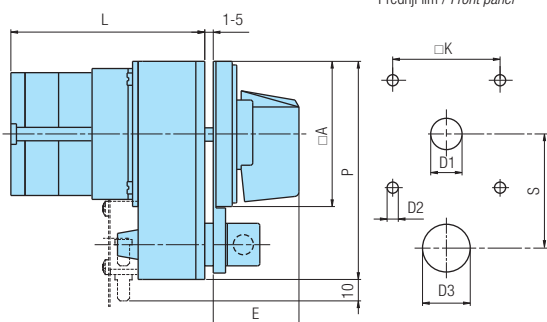
*Optional extras **16** and **26** without and optional extras **17** and **27** with auxiliary contacts. Optional extras **17** and **27** with one or two pairs of the open - close contacts. Optional extras **26** and **27** have possibility of locking by one padlock.*

Operating of the contacts is being realized before switch function.

Standard: blockade in "0", auxiliary contacts 1NO + 1NC.

It is necessary to define blockade of the positions and number of auxiliary contacts.

Plan bušenja / Drilling plan
Prednji lim / Front panel



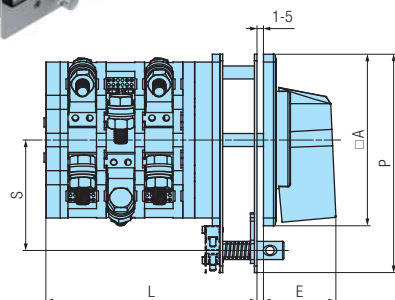
Serijska / Series GN - U

Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3...12	
GN 12H	65	12	5	20	36	48	65x98	48	63,6	73,3	83	170,3
GN 20H	65	12	5	20	36	48	65x98	48	63,6	73,3	83	170,3
GN 25H	65	12	5	20	36	48	65x98	48	68	81,6	95,2	217,6
GN 32	65	14	5	20	36	48	65x98	48	73,5	88,6	103,7	239,6
GN 32B*	90	16	6	15	41,5	68	90x122	60	82,4	97,5	112,6	248,5
GN 40	65	14	5	20	36	48	65x98	48	73,5	88,6	103,7	239,6
GN 40B*	90	16	6	16	41,5	68	90x122	60	82,4	97,5	112,6	248,5
GN 63	65	14	5	20	36	48	65x98	48	77,3	95,4	113,5	276,4
GN 63B*	90	16	6	16	41,5	68	90x122	60	86,2	104,3	122,4	256,8
GN 125	90	16	6	16	41,5	68	90x122	60	95,8	124,9	154	423,4

*Metalna konstrukcija / Metal design

Serijska / Series GF - U

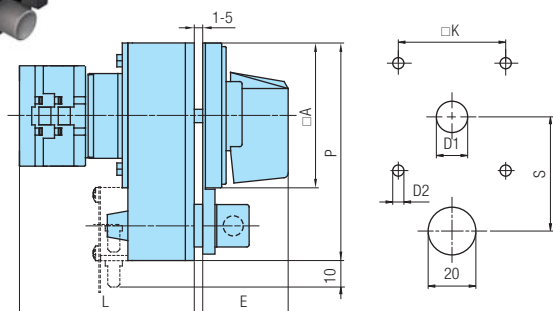
Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3...12	
GF 20H	65	12	5	20	36	48	65x98	48	71,5	85	98,5	220



Serijska / Series G/4G - U

Tip Type	Oznaka / Marking								L											
	□A	D1	D2	D3	E	□K	P	S	1	2	3	4	5	6	7	8	9	10	11	12
4G200*	132	16	5,3	18	56,5	104	132x168	85	105,4	135,4	164,4	194,4	224,4	254,4	312,4	342,4	371,4	401,4	430,4	460,4
G315*	132	16	5,3	18	56,5	104	132x168	85	105,4	135,4	164,4	194,4	224,4	254,4	312,4	342,4	371,4	401,4	430,4	460,4
4G400*	132	16	5,3	18	56,5	104	132x168	85	-	135,4	-	194,4	-	254,4	-	342,4	-	401,4	-	460,4
G630*	132	16	5,3	18	56,5	104	132x168	85	-	135,4	-	194,4	-	254,4	-	342,4	-	401,4	-	460,4
G900*	132	16	5,3	18	56,5	104	132x168	85	-	-	164,4	-	-	254,4	-	-	371,4	-	-	460,4
G1200*	132	16	5,3	18	56,5	104	132x168	85	-	135,4	-	194,4	-	254,4	-	-	-	401,4	-	460,4
G1600*	132	16	5,3	18	56,5	104	132x168	85	-	-	164,4	-	-	254,4	-	-	-	371,4	-	460,4
G2000*	132	16	5,3	18	56,5	104	132x168	85	-	-	-	194,4	-	-	-	342,4	-	-	-	460,4

*Metalna konstrukcija / Metal design



Serijska / Series GX - U

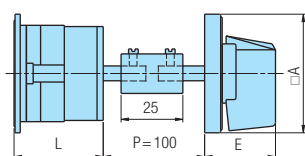
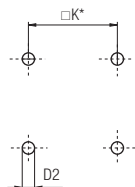
Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	□K	P	S		1	2	3...12	
GX 16H	65	12	5	36	48	65x98	48		70,5	79	87,5	164
GX 20H	65	12	5	36	48	65x98	48		70,5	79	87,5	164
GX 32	65	14	5	36	48	65x98	48		78	90	102	210
GX 40	65	14	5	36	48	65x98	48		78	90	102	210

POSEBNE IZVEDBE *OPTIONAL EXTRAS*PRODUŽENJE OSOVINE *EXTENSION SHAFT***02**

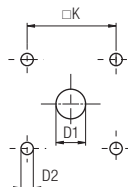
Standardna izvedba podrazumijeva da je $P = 100$ mm. Specijalnom narudžbom potrebno je definirati dubinu ormara ($L + P$).

Standard version includes the $P = 100$ mm. It is necessary to define board depth ($L + P$).

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel

**Serijska / Series GN - 0**

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GN 12	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 20	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 25	48	12	5	26,5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	34,5	48	43	56,6	70,2	192,6
GN 32	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	34,5	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	41,5	68	55	73,1	91,2	254,1
GN 125	90	16	6	41,5	68	74,8	103,9	133	394,9

* za / for GN63 D2*=6 □K*=68

Serijska / Series GF - 0

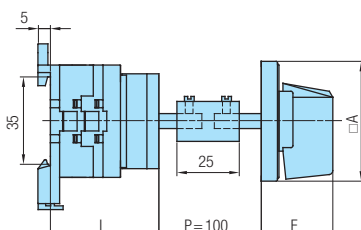
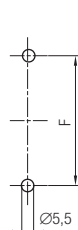
Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GF 20	48	12	5	26,5	36	46	59,5	73	194,5
GF 20H	65	12	5	34,5	48	47	60,5	74	195,5

**Serijska / Series G/4G - 0**

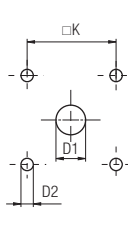
Tip Type	Oznaka / Marking					L											
	□A	D1	D2	E	□K	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	16	5,3	56,5	104	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	16	5,3	56,5	104	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	16	5,3	56,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	16	5,3	56,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	16	5,3	56,5	104	-	107	-	166	-	226	-	-	-	373	-	432
G1600	132	16	5,3	56,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	16	5,3	56,5	104	-	-	-	166	-	-	-	314	-	-	-	432



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel

**Serijska / Series GX - 0**

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	F	□K	1	2	3...12	
GX 16	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 16H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 20	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 20H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 32	65	14	5	34,5	68	48	48	60	72	180
GX 32H	90	14	6	41,5	68	68	48	60	72	180
GX 40	65	14	5	34,5	68	48	48	60	72	180
GX 40H	90	14	6	41,5	68	68	48	60	72	180

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

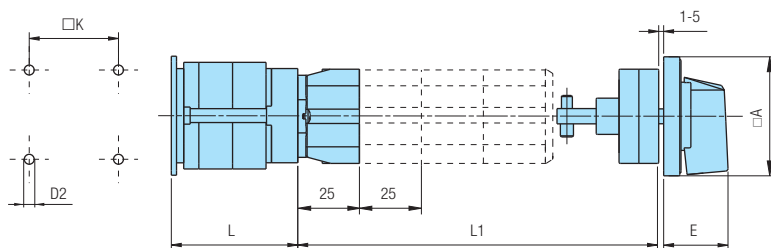
PRODUŽENJE OSOVINE I SPOJKA ZA VRATA *EXTENSION SHAFT AND DOOR COUPLING*


108D

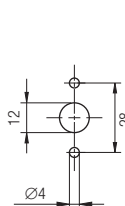
Upotreba kod sklopki odvojene ugradnje, omogućava prilagodbu različitim dubinama ugradnje. Otvaranje vrata u položaju "0".
Standardno se isporučuje s jednim modulom.

Used to adapt switches with base mounting to different mounting depths. Door opening in position "0".
Standard version with one module.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

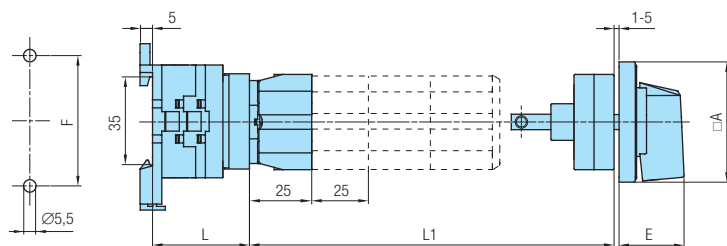
Tip Type	Oznaka / Marking				L			
	□A	D2	E	□K	1	2	3...12	
GN 12	48	5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	5	34,5	48	33,6	43,3	53	140,3
GN 20	48	5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	5	34,5	48	33,6	43,3	53	140,3
GN 25	48	5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	5	34,5	48	38	51,6	65,2	187,6
GN 32	65	5	34,5	48	43,5	58,6	73,7	209,6
GN 40	65	5	34,5	48	43,5	58,6	73,7	209,6
GN 63	65	5	34,5	48	47,3	65,4	83,5	246,4

Serijska / Series GF - 0

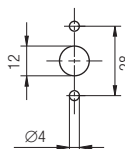
Tip Type	Oznaka / Marking				L			
	□A	D2	E	□K	1	2	3...12	
GF 20	48	5	26,5	36	46	59,5	73	194,5
GF 20H	65	5	34,5	48	46,5	60	73,5	195



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GX - 0

Tip Type	Oznaka / Marking				L			
	□A	E	F		1	2	3...12	
GX 16	48	26,5	52		32	40,5	49	125,5
GX 16H	65	34,5	52		32	40,5	49	125,5
GX 20	48	26,5	52		32	40,5	49	125,5
GX 20H	65	34,5	52		32	40,5	49	125,5
GX 32	65	34,5	68		43	55	67	175
GX 40	65	34,5	68		43	55	67	175

KOD / CODE	IZVEDBA / VERSION
108D	Standardna izvedba s jednim modulom Standard version with one module
108D - 2	Izvedba s dva modula Version with two modules
108D - 3	Izvedba s tri modula Version with three modules
108D - 4	Izvedba s četiri modula Version with four modules

Broj modula/ Number of modules	L1	
	min	max
1	55	65
2	80	90
3	105	115
4	130	140

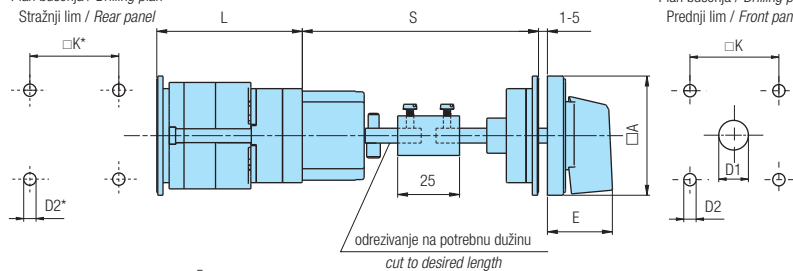
POSEBNE IZVEDBE *OPTIONAL EXTRAS*PRODUŽENJE OSOVINE I SPOJKA ZA VRATA *EXTENSION SHAFT AND DOOR COUPLING***258**

Otvaranje vrata u položaju "0". Različita ugradbena dužina.

Door-opening in position "0". Different length for mounting.

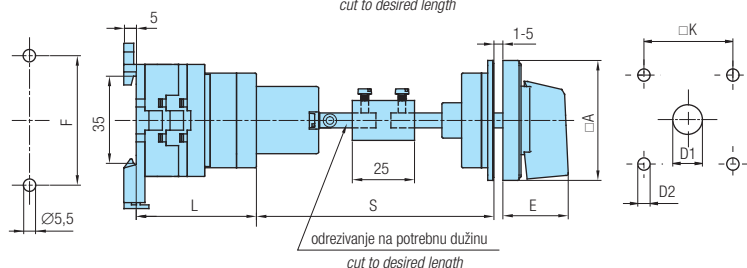
Plan bušenja / Drilling plan

Stražnji lim / Rear panel



Plan bušenja / Drilling plan

Prednji lim / Front panel



Serija / Series GN - 0

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GN 12	48	12	5	26,5	36	115-125	41,1	50,8	60,5	147,8
GN 12H	65	12	5	34,5	48	115-125	41,1	50,8	60,5	147,8
GN 20	48	12	5	26,5	36	115-125	41,1	50,8	60,5	147,8
GN 20H	65	12	5	34,5	48	115-125	41,1	50,8	60,5	147,8
GN 25	48	12	5	26,5	36	115-125	45,5	59,1	72,7	195,1
GN 25H	65	12	5	34,5	48	115-125	45,5	59,1	72,7	195,1
GN 32	65	14	5	34,5	48	115-125	51,5	66,6	81,7	217,6
GN 40	65	14	5	34,5	48	115-125	51,5	66,6	81,7	217,6
GN 63*	65	14	5	34,5	48	115-125	57,3	75,4	93,5	256,4

* za / for GN63 D2*=6 □K*=68

Serija / Series GX - 0

Tip / Code		Oznaka / Marking						L			
Type		□A	D1	D2	E	F	□K	S	1	2	3...12
GX 16	48	12	5	26,5	52	36	115-125	40	48,5	57	133,5
GX 16H	65	12	5	34,5	52	48	115-125	40	48,5	57	133,5
GX 20	48	12	5	26,5	52	36	115-125	40	48,5	57	133,5
GX 20H	65	12	5	34,5	52	48	115-125	40	48,5	57	133,5
GX 32	65	14	5	34,5	68	48	115-125	51	63	75	183
GX 40	65	14	5	34,5	68	48	115-125	51	63	75	183

PRODUŽENJE OSOVINE I SPOJKA ZA VRATA *EXTENSION SHAFT AND DOOR COUPLING***102**

Otvaranje vrata pod 90°

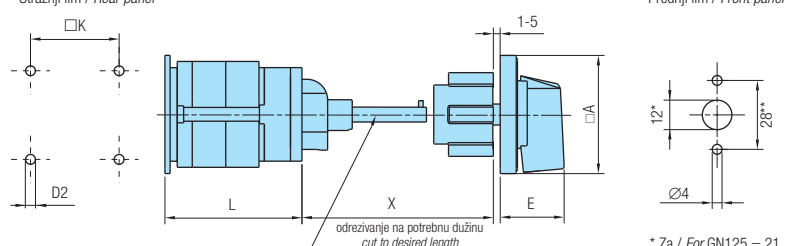
Otvaranje vrata u položaju "0". Standardno se isporučuje s osovinom dužine 100 mm.

Door-opening at 90°

Door-opening in position "0". Standard version with 100 mm shaft.

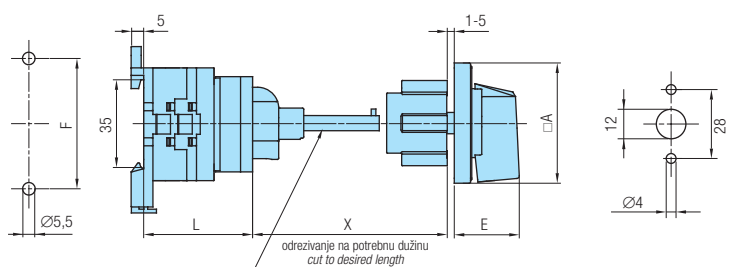
Plan bušenja / Drilling plan

Stražnji lim / Rear panel



Plan bušenja / Drilling plan

Prednji lim / Front panel



Serija / Series GN - 0

Tip Type	Oznaka / Marking						L			
	□A	D2	E	□K	X 102	X 102-200	1	2	3...12	
GN 12	48	5	26,5	36	113-122	213-222	38,1	47,8	57,5	144,8
GN 12H	65	5	34,5	48	113-122	213-222	38,6	48,3	58	145,3
GN 20	48	5	26,5	36	113-122	213-222	38,1	47,8	57,5	144,8
GN 20H	65	5	34,5	48	113-122	213-222	38,6	48,3	58	145,3
GN 25	48	5	26,5	36	113-122	213-222	42,5	56,1	69,7	192,1
GN 25H	65	5	34,5	48	113-122	213-222	43	56,6	70,2	192,6
GN 32	65	5	34,5	48	113-122	213-222	48,5	63,6	78,7	214,6
GN 32H	90	6	41,5	68	133-139	233-239	49,2	64,3	79,4	215,3
GN 40	65	5	34,5	48	113-122	213-222	48,5	63,6	78,7	214,6
GN 40H	90	6	41,5	68	133-139	233-239	49,2	64,3	79,4	215,3
GN 63	65	5	34,5	48	113-122	213-222	54,3	72,4	90,5	253,4
GN 63H	90	6	41,5	68	133-139	233-239	55	73,1	91,2	254,1
GN 125	90	6	41,5	68	135-141	235-241	74,8	103,9	133	394,9

* Za / For GN125 = 21

** Za / For GN125 = 39

Serija / Series GF - 0

Tip Type	Oznaka / Marking						L			
	□A	D2	E	□K	X 102	X 102-200	1	2	3...12	
GF 20	48	5	26,5	36	113-122	213-222	46	59,5	73	194,5
GF 20H	65	5	34,5	48	113-122	213-222	46,5	60	73,5	195

Serija / Series GX - 0

Tip Type	Oznaka / Marking						L			
	□A	E	F	X 102	X 102-200		1	2	3...12	
GX 16	48	26,5	52	113-122	213-222		37	45,5	54	130,5
GX 16H	65	34,5	52	113-122	213-222		37	45,5	54	130,5
GX 20	48	26,5	52	113-122	213-222		37	45,5	54	130,5
GX 20H	65	34,5	52	113-122	213-222		37	45,5	54	130,5
GX 32	65	34,5	68	113-122	213-222		48	60	72	180
GX 32H	90	41,5	68	133-139	233-239		48	60	72	180
GX 40	65	34,5	68	113-122	213-222		48	60	72	180
GX 40H	90	41,5	68	133-139	233-239		48	60	72	180

Serija GN/GF/GX / Series GN/GF/GX

KOD / CODE	IZVEDBA / VERSION
102	Standardna izvedba - osovina 100 mm Standard version - shaft 100 mm
102 - 200	Osovina 200 mm Shaft 200 mm

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SPOJKA ZA VRATA *DOOR COUPLING*

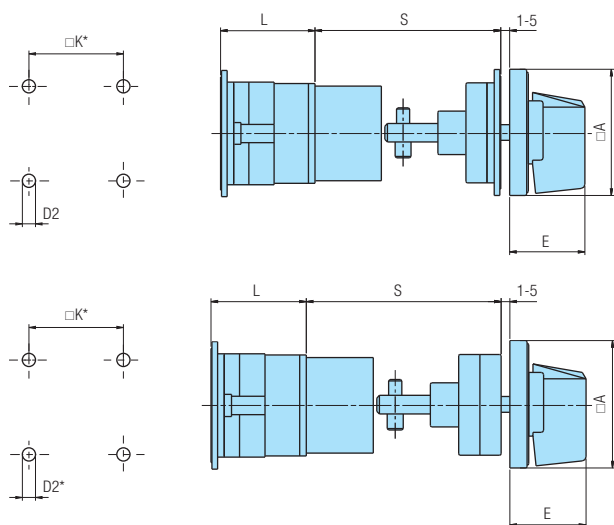


**57
58
58D**

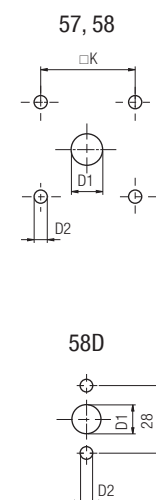
Otvaranje vrata u bilo kojem položaju (izvedba 57) ili samo u "0" (izvedba 58).
Montaža s 4 vijka (izvedbe 57, 58).
Montaža s 2 vijka (izvedba 58D).
Minimalna udaljenost od šarke 150 mm.

*Door-opening in any position (57) or only in "0" (58).
Mounting with 4 screws (optional extras 57, 58).
Mounting with 2 screws (optional extra 58D).
Minimal distance to the door-hinge 150 mm.*

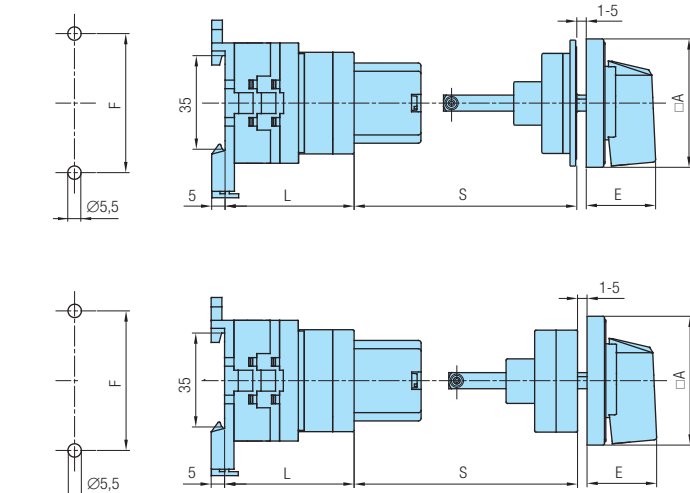
Plan bušenja / Drilling plan
Stražnji lim / Rear panel



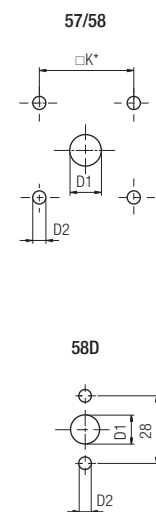
Plan bušenja / Drilling plan
Prednji lim / Front panel



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GN 12	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
GN 12H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
GN 20	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
GN 20H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
GN 25	48	12	5	26,5	36	45-55	45,5	59,1	72,7	195,1
GN 25H	65	12	5	34,5	48	45-55	45,5	59,1	72,7	195,1
GN 32	65	14	5	34,5	48	45-55	51,5	66,6	81,7	217,6
GN 40	65	14	5	34,5	48	45-55	51,5	66,6	81,7	217,6
GN 63*	65	14	5	34,5	48	45-55	57,3	75,4	93,5	256,4

* za / for GNG3 D2=6 K*=68

Serijska / Series GF - 0

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	S	1	2	3...12	
GF 20	48	12	5	26,5	36	45-55	46	59,5	73	194,5

Serijska / Series GX - 0

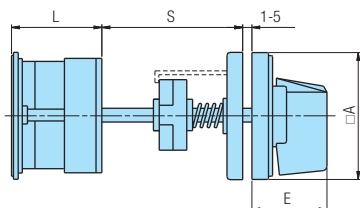
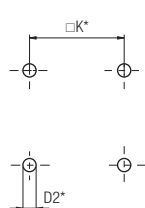
Tip Type	Oznaka / Marking							L			
		A	D1	D2	E	F	 	S	1	2	3...12
GX 16	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 16H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 20	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 20H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 32	65	14	5	34,5	68	48	45-55	51	63	75	183
GX 40	65	14	5	34,5	68	48	45-55	51	63	75	183

POSEBNE IZVEDBE *OPTIONAL EXTRAS*SPOJKA ZA VRATA *DOOR COUPLING*
07
08

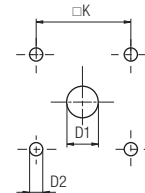
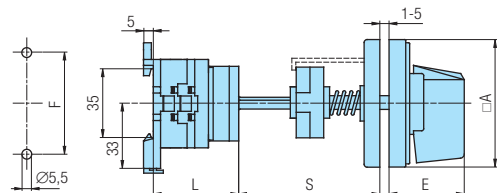
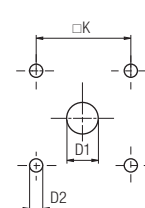
Otvaranje vrata u bilo kojem položaju (posebna izvedba 07) ili samo u "0" (posebna izvedba 08). Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Door-opening in any position (optional extra 07) or only in "0" (optional extra 08). When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serija / Series GN - 0

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GN 12H	65	12	5	34,5	48	60	41,1	50,8	60,5	147,8
GN 20H	65	12	5	34,5	48	60	41,1	50,8	60,5	147,8
GN 25H	65	12	5	34,5	48	60	45,5	59,1	72,7	195,1
GN 32	65	14	5	34,5	48	64	51,5	66,6	81,7	217,6
GN 32H	90	14	6	41,5	68	64	51,5	66,6	81,7	217,6
GN 40	65	14	5	34,5	48	64	51,5	66,6	81,7	217,6
GN 40H	90	14	6	41,5	68	64	51,5	66,6	81,7	217,6
GN 63*	65	14	5	34,5	48	64	57,3	75,4	93,5	256,4
GN 63H	90	14	6	41,5	68	64	57,3	75,4	93,5	256,4
GN 125	90	16	6	41,5	68	76	74,8	103,9	133	394,9

za / for GN63 D2*=6 □K*=68

Serija / Series G/4G - 0

Tip Type	Oznaka / Marking						L							
	□A	D1	D2	E	□K	S	1	2	3	4	5	6	7	8
4G200	132	16	5,3	56,5	104	77	77	107	136	166	196	226	284	314
G315	132	16	5,3	56,5	104	77	77	107	136	166	196	226	284	314
4G400	132	16	5,3	56,5	104	77	-	107	-	166	-	-	-	-
G630	132	16	5,3	56,5	104	77	-	107	-	166	-	-	-	-
G900	132	16	5,3	56,5	104	77	-	-	136	-	-	226	-	-
G1200	132	16	5,3	56,5	104	77	-	107	-	166	-	-	-	-
G1600	132	16	5,3	56,5	104	77	-	-	136	-	-	226	-	-
G2000	132	16	5,3	56,5	104	77	-	-	-	166	-	-	-	314

Serija / Series GX - 0

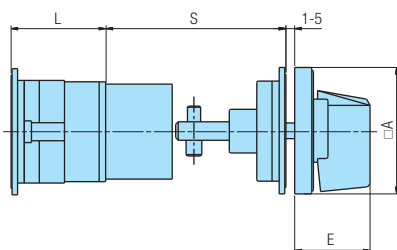
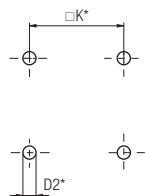
Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	F	□K	S	1	2	3...12	
GX 16H	65	12	5	34,5	52	48	60	40	48,5	57	133,5
GX 20H	65	12	5	34,5	52	48	60	40	48,5	57	133,5
GX 32	65	14	5	34,5	68	48	64	48	60	72	180
GX 32H	90	14	6	41,5	68	68	64	48	60	72	180
GX 40	65	14	5	34,5	68	48	64	48	60	72	180
GX 40H	90	14	6	41,5	68	68	64	48	60	72	180

SPOJKA ZA VRATA *DOOR COUPLING*
84

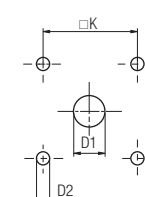
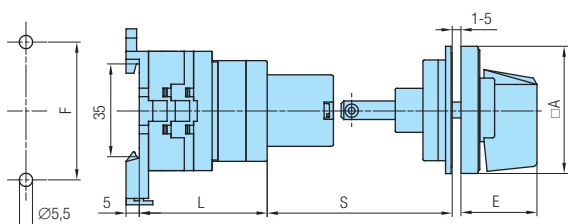
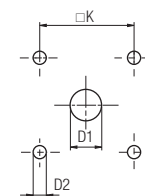
Otvaranje vrata samo u "0" položaju. Sklopka sa žutom prednjom pločom, žutom podlogom i crvenom ručicom. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Door-opening only in "0". Switch with yellow front plate, yellow escutcheon plate and red handle. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serija / Series GN - 0

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GN 12	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
GN 12H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
GN 20	48	12	5	26,5	36	45-55	41,1	50,8	60,5	147,8
GN 20H	65	12	5	34,5	48	45-55	41,1	50,8	60,5	147,8
GN 25	48	12	5	26,5	36	45-55	45,5	59,1	72,7	195,1
GN 25H	65	12	5	34,5	48	45-55	45,5	59,1	72,7	195,1
GN 32	65	14	5	34,5	48	45-55	48,9	62,5	76,1	198,5
GN 40	65	14	5	34,5	48	45-55	51,5	66,6	81,7	217,6
GN 63*	65	14	5	34,5	48	45-55	57,3	75,4	93,5	256,4

za / for GN63 D2=6 □K*=68

Serija / Series GF - 0

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GF 20	48	12	5	26,5	36	45-55	41	54,5	68	189,5

Serija / Series GX - 0

Series GX											
Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	F	□K	S	1	2	3.....12	
GX 16	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 16H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 20	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 20H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 32	65	14	5	34,5	68	48	45-55	51	63	75	183
GX 40	65	14	5	34,5	68	48	45-55	51	63	75	183

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SPOJKA ZA VRATA *DOOR COUPLING*

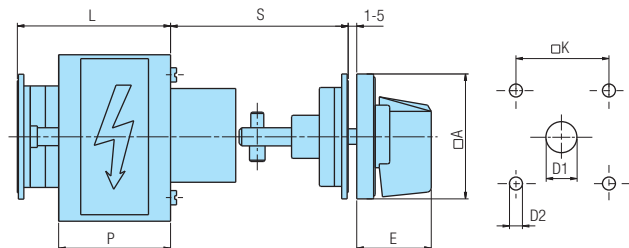
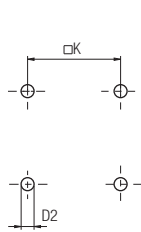


68

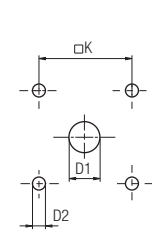
Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom, za sklopke sa samo dva elementa, samo u "0" položaju. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Door-opening only in "0". Protection against an accidental contact with terminals under voltage for the switches with only two elements in "0". When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking							
	□A	D1	D2	E	□K	S	P	L
GN 12	48	12	5	26,5	36	45-55	43	51,3
GN 12H	65	12	5	34,5	48	45-55	43	51,3
GN 20	48	12	5	26,5	36	45-55	43	51,3
GN 20H	65	12	5	34,5	48	45-55	43	51,3
GN 25	48	12	5	26,5	36	45-55	51	59,6
GN 25H	65	12	5	34,5	48	45-55	51	59,6
GN 32	65	14	5	34,5	48	45-55	55	68,7
GN 40	65	14	5	34,5	48	45-55	55	68,7

SPOJKA ZA VRATA *DOOR COUPLING*

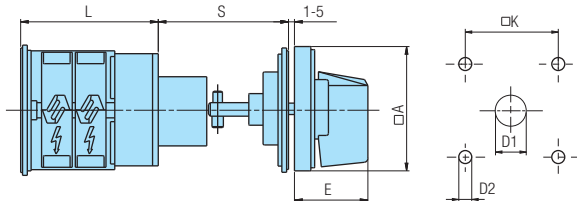
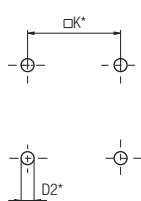


78

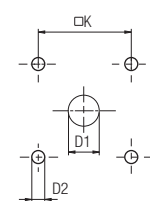
Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Standardno - zaštita dovodnih priključnih stezaljki (sklopke 0-1; 1-12 polne). Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Door-opening only in "0". Protection against an accidental contact with terminals under voltage only in "0" position. In a standard manner supplying terminals are protected (switches 0-1; 1-12 poles). When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	S	1	2	3...12
GN 12	48	12	5	26,5	36	45-55	41,1	50,8	60,5 147,8
GN 12H	65	12	5	34,5	48	45-55	41,1	50,8	60,5 147,8
GN 20	48	12	5	26,5	36	45-55	41,1	50,8	60,5 147,8
GN 20H	65	12	5	34,5	48	45-55	41,1	50,8	60,5 147,8
GN 25	48	12	5	26,5	36	45-55	45,5	59,1	72,7 195,1
GN 25H	65	12	5	34,5	48	45-55	45,5	59,1	72,7 195,1
GN 32	65	14	5	34,5	48	45-55	48,5	63,6	78,7 214,6
GN 40	65	14	5	34,5	48	45-55	48,5	63,6	78,7 214,6
GN 63*	65	14	5	34,5	48	45-55	54,3	72,4	90,5 253,4

za / for GN63 D2*=6 □K*=68

SPOJKA ZA VRATA *DOOR COUPLING*

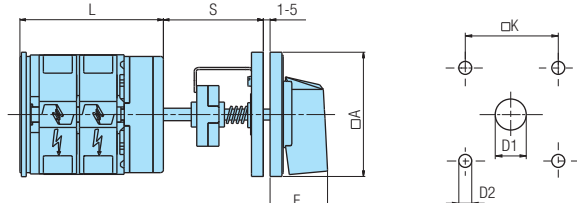
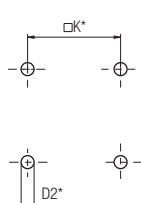


79

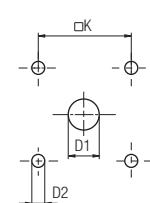
Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Standardno - zaštita dovodnih priključnih stezaljki (sklopke 0-1; 1-12 polne). Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Door-opening only in "0". Protection against an accidental contact with terminals under voltage only in "0" position. In a standard manner supplying terminals are protected (switches 0-1; 1-12 poles). When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	S	1	2	3...12
GN 12H	65	12	5	34,5	48	60	41,1	50,8	60,5 147,8
GN 20H	65	12	5	34,5	48	60	41,1	50,8	60,5 147,8
GN 25H	65	12	5	34,5	48	60	45,5	59,1	72,7 195,1
GN 32	65	14	5	34,5	48	64	51,5	66,6	81,7 217,6
GN 32H	90	14	6	41,5	68	64	51,5	66,6	81,7 217,6
GN 40	65	14	5	34,5	48	64	51,5	66,6	81,7 217,6
GN 40H	90	14	6	41,5	68	64	51,5	66,6	81,7 217,6
GN 63*	65	14	5	34,5	48	64	57,3	75,4	93,5 256,4
GN 63H	90	14	6	41,5	68	64	57,3	75,4	93,5 256,4
GN 125	90	16	6	41,5	68	76	74,8	103,9	133 394,9

za / for GN63 D2=6 □K*=68

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

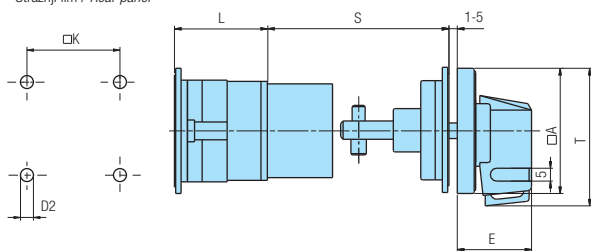
SPOJKA ZA VRATA *DOOR COUPLING*


85

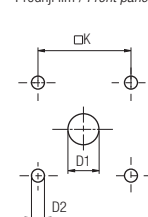
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm. Moguće kombinacije boja prednjeg sklopa prikazane su u tablici na dnu stranice.

Padlocking (1 - 3) only in "0". Door-opening only in "0". When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm. Possible front part color combinations are show in the table on the bottom of the page.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□K	S	T	1	2	3....12	
GN 12	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5	147,8
GN 20	48	12	5	34,5	36	45-55	57	41,1	50,8	60,5	147,8
GN 25	48	12	5	34,5	36	45-55	57	45,5	59,1	72,7	195,1

Serijska / Series GF - 0

Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□K	S	T	1	2	3....12	
GF 20	48	12	5	34,5	36	45-55	57	41	54,5	68	189,5

Serijska / Series GX - 0

Serijski / Serial number												
Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	F	□K	S	T	1	2	3.....12	
GX 16	48	12	5	34,5	52	36	45-55	57	40	48,5	57	133,5
GX 20	48	12	5	34,5	52	36	45-55	57	40	48,5	57	133,5

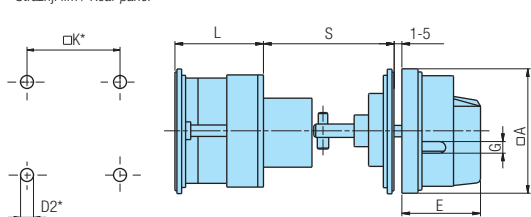
SPOJKA ZA VRATA *DOOR COUPLING*


87

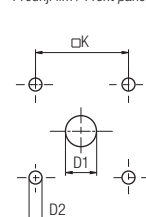
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Koristi se kod sklopki 0-1 (60°, 90°). Moguća upotreba (60°) s većim brojem položaja (max. 6). Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm. Moguće kombinacije boja prednjeg sklopa prikazane su u tablici na dnu stranice.

Padlocking (1 - 3) only in "0". Door-opening only in "0". It is being used at the switches 0-1 (60°, 90°). Possible use (60°) with several positions (max. 6). When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm. Possible front part color combinations are show in the table on the bottom of the page.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	G	□K	S	1	2	3....12	
GN 12	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
GN 12H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
GN 20	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8
GN 20H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8
GN 25	48	12	5	34,2	5	36	45-55	45,5	59,1	72,7	195,1
GN 25H	65	12	5	38	6	48	45-55	45,5	59,1	72,7	195,1
GN 32	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6
GN 40	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6
GN 63*	65	14	5	38	6	48	45-55	57,3	75,4	93,5	256,4

za / for GN63 D2=6 □K*=68

Serijska / Series GX - 0

Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	F	□K	G	S	1	2	3...12	
GX 16	48	12	5	34,2	52	36	5	45-55	40	48,5	57	133,5
GX 16H	65	12	5	38	52	48	6	45-55	40	48,5	57	133,5
GX 20	48	12	5	34,2	52	36	5	45-55	40	48,5	57	133,5
GX 20H	65	12	5	38	52	48	6	45-55	40	48,5	57	133,5
GX 32	65	14	5	38	68	48	6	45-55	51	63	75	183
GX 40	65	14	5	38	68	48	6	45-55	51	63	75	183

Serijska / Series GN/GF/GX (85)

RUČICA HANDLE	PODLOGA ESCUTCH. PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
cma / black	bijela / white	cma / black	
siva / grey	bijela / white	siva / grey	20
crvena - žuta / red - yellow	žuta / yellow	žuta / yellow	40

Serijska / Series GN/GF/GX (87)

RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
cma / black	cma / black	cma / black	
siva / grey	siva / grey	siva / grey	20
crvena / red	žuta / yellow	žuta / yellow	40

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SPOJKA ZA VRATA *DOOR COUPLING*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

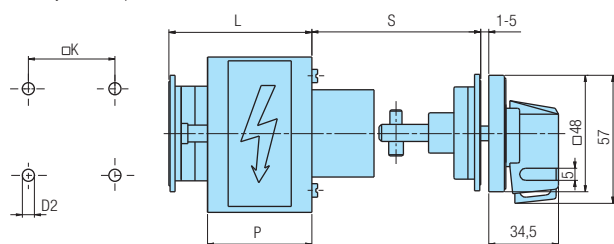


86

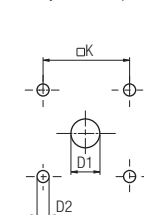
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Padlocking (1 - 3) only in "0". Door-opening only in "0". Protection against an accidental contact with the terminals under voltage only in "0". Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



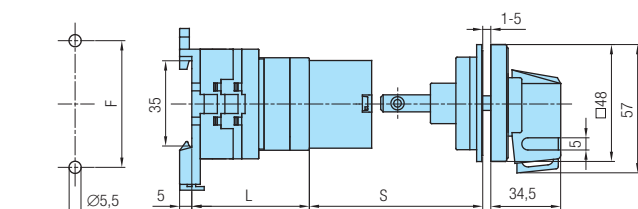
Serijska / Series GN - 0

Tip Type	Oznaka / Marking					
	D1	D2	□K	S	P	L
GN 12	12	5	36	45-55	43	51,3
GN 20	12	5	36	45-55	43	51,3
GN 25	12	5	36	45-55	51	59,6

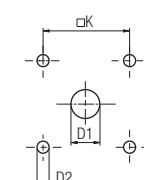
Serijska / Series GF - 0

Tip Type	Oznaka / Marking				L			
	D1	D2	□K	S	1	2	3...12	
GF 20	12	5	36	45-55	41	54,5	68	189,5

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GX - 0

Tip Type	Oznaka / Marking					L			
	D1	D2	F	□K	S	1	2	3...12	
GX 16	12	5	52	36	45-55	40	48,5	57	133,5
GX 20	12	5	52	36	45-55	40	48,5	57	133,5

SPOJKA ZA VRATA *DOOR COUPLING*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

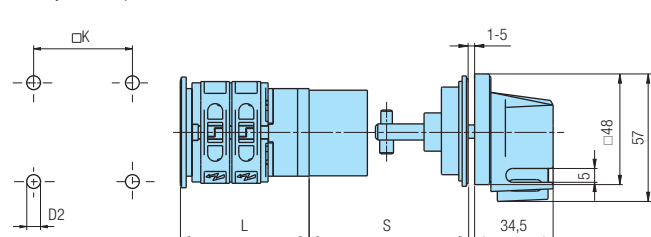


96

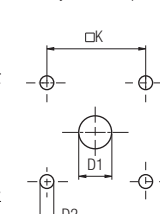
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Padlocking (1 - 3) only in "0". Door-opening only in "0". Protection against an accidental contact with the terminals under voltage only in "0". Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking				L			
	D1	D2	□K	S	1	2	3...12	
GN 12	12	5	36	45-55	41,1	50,8	60,5	147,8
GN 20	12	5	36	45-55	41,1	50,8	60,5	147,8
GN 25	12	5	36	45-55	45,5	59,1	72,7	195,1

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SPOJKA ZA VRATA *DOOR COUPLING*

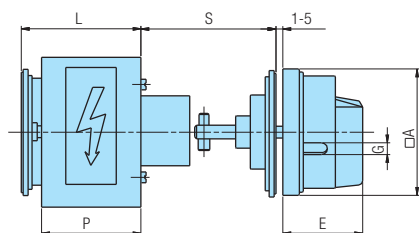
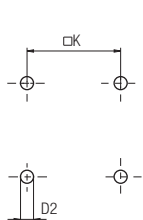
GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*


88

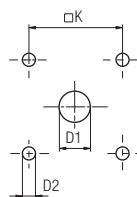
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Padlocking (1 - 3) only in "0". Door-opening only in "0". Protection against an accidental contact with the terminals under voltage only in "0". Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

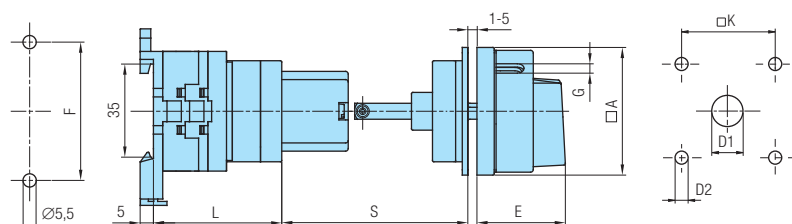
Tip Type	Oznaka / Marking									
	□A	D1	D2	E	G	□K	S	P	L	
GN 12	48	12	5	34,2	5	36	45-55	43	51,3	
GN 12H	65	12	5	38	6	48	45-55	43	51,3	
GN 20	48	12	5	34,2	5	36	45-55	43	51,3	
GN 20H	65	12	5	38	6	48	45-55	43	51,3	
GN 25	48	12	5	34,2	5	36	45-55	51	59,6	
GN 25H	65	12	5	38	6	48	45-55	51	59,6	
GN 32	65	14	5	38	6	48	45-55	55	68,7	
GN 40	65	14	5	38	6	48	45-55	55	68,7	

Serijska / Series GF - 0

Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	G	□K	S		1	2	3...12	
GF 20	48	12	5	34,2	5	36	45-55	46	59,5	73	194,5	
GF 20H	65	12	5	38	6	48	45-55	47,5	61	74,5	196	

Serijska / Series GX - 0

Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	F	□K	G	S	1	2	3...12	
GX 16	48	12	5	34,2	52	36	5	45-55	40	48,5	57	133,5
GX 16H	65	12	5	38	52	48	6	45-55	40	48,5	57	133,5
GX 20	48	12	5	34,2	52	36	5	45-55	40	48,5	57	133,5
GX 20H	65	12	5	38	52	48	6	45-55	40	48,5	57	133,5
GX 32	65	14	5	38	68	48	6	45-55	51	63	75	183
GX 40	65	14	5	38	68	48	6	45-55	51	63	75	183



SPOJKA ZA VRATA *DOOR COUPLING*

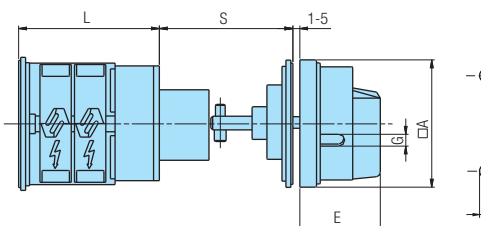
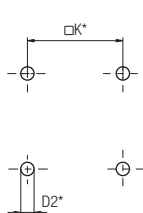
GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*


98

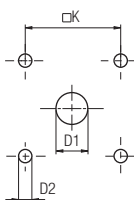
Zaključavanje (1 - 3 lokota) samo u "0". Otvaranje vrata samo u "0" položaju. Zaštita od slučajnog dodira stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°. Ukoliko je traženi "S" veći od ponuđenog, potrebno je definirati "S" ili dubinu ormara (L + S). Minimalna udaljenost od šarke 150 mm.

Padlocking (1 - 3) only in "0". Door-opening only in "0". Protection against an accidental contact with the terminals under voltage only in "0". Switching angle 60° and 90°. When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L + S). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - 0

Tip Type	Oznaka / Marking								L			
	□A	D1	D2	E	G	□K	S		1	2	3...12	
GN 12	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8	
GN 12H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8	
GN 20	48	12	5	34,2	5	36	45-55	41,1	50,8	60,5	147,8	
GN 20H	65	12	5	38	6	48	45-55	41,1	50,8	60,5	147,8	
GN 25	48	12	5	34,2	5	36	45-55	45,5	59,1	72,7	195,1	
GN 25H	65	12	5	38	6	48	45-55	45,5	59,1	72,7	195,1	
GN 32	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6	
GN 40	65	14	5	38	6	48	45-55	51,5	66,6	81,7	217,6	
GN 63*	65	14	5	38	6	48	45-55	57,3	75,4	93,5	256,4	

za / for GN63 D2=6 □K*=68

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

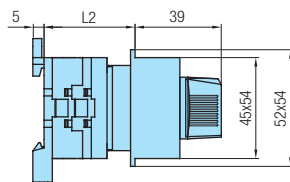
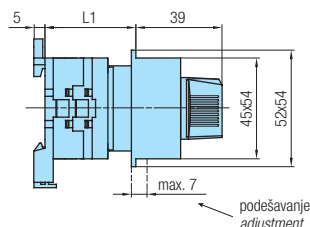
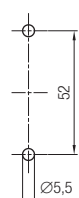
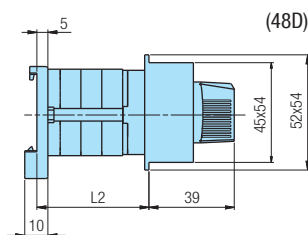
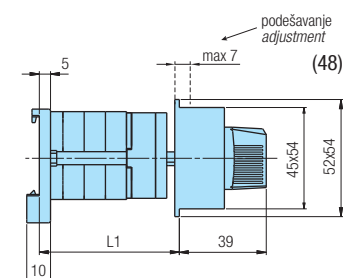
INSTALACIONA KAPA *SERVICE COVER*



**48
48D**

Montaža na šinu 35 EN 50022 s instalacionom kapom i ručicom za standardnu ugradnju u 45 mm. Podešavanje dužine L1 (izvedba 48). Fiksna dužina L2 (izvedba 48D).

Snap-on base mounting for the rail 35 EN 50022. Both the service cover (45 mm) and handle are adjustable in height (optional extra 48). Fixed measure L2 (optional extra 48D).



Serijska / Series GN - 0

Tip Type	L1			L2		
	1	2	3	1	2	3
GN 12	41-48	51-58	60-67	38,1	47,8	57,5
GN 20	41-48	51-58	60-67	38,1	47,8	57,5
GN 25	45-52	59-66	72-79	42,5	56,1	69,7

Serijska / Series GF - 0

Tip Type	L1			L2		
	1	2	3	1	2	3
GF 20	49-56	62-69	76-83	40	53,5	67

Serijska / Series GX - 0

Tip Type	L1			L2		
	1	2	3	1	2	3
GX 16	39,5-46,5	48-55	56,5-63,5	33	41,5	50
GX 20	39,5-46,5	48-55	56,5-63,5	33	41,5	50

Serijska / Series GN/GF/GX

RUČICA HANDLE	Y
	KOD / CODE
crna / black	
crvena / red	40

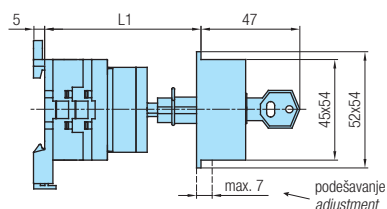
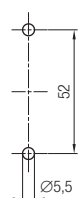
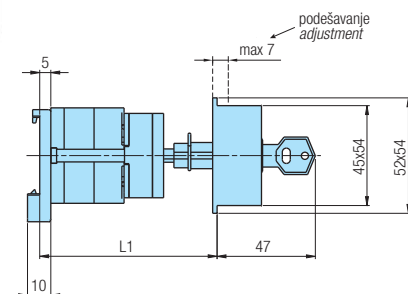
INSTALACIONA KAPA *SERVICE COVER*



49

Montaža na šinu 35 EN 50022 s instalacionom kapom i ključem za standardnu ugradnju u 45 mm.

Snap-on base mounting for the rail 35 EN 50022 with the service cover (45 mm) and key are adjustable in height.



Serijska / Series GN - 0

Tip Type	L1		
	1	2	3
GN 12	59-66	69-76	78-85
GN 20	59-66	69-76	78-85
GN 25	63-70	77-84	90-97

Serijska / Series GF - 0

Tip Type	L1		
	1	2	3
GF 20	67-74	80-87	97-101

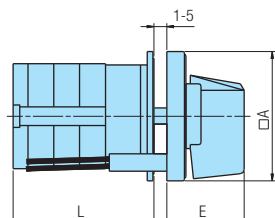
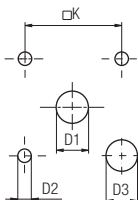
Serijska / Series GX - 0

Tip Type	L1		
	1	2	3
GX 16	57,5-64,5	66-73	74,5-81,5
GX 20	57,5-64,5	66-73	74,5-81,5

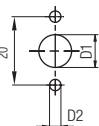
POSEBNE IZVEDBE *OPTIONAL EXTRAS*SIGNALNE SVJETILJKE *SIGNAL LAMPS***15**

Standardno se ugrađuje crvena svjetiljka (230 V), desno dolje. Mogući naponi 110 i 400 V kao i zelena boja svjetiljke (potrebno definirati). Na poseban zahtjev ugrađujemo i drugu svjetiljku lijevo dolje.

In a standard manner, the red lamp (230 V) is built in the right bottom corner. Possible voltages are 110 and 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.

Plan bušenja / Drilling plan
Prednji lim / Front panel

GF10H



Serija / Series GN - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GN 12	48	12	5	6,5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	6,5	34,5	48	33,6	43,3	53	140,3
GN 20	48	12	5	6,5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	6,5	34,5	48	33,6	43,3	53	140,3
GN 25	48	12	5	6,5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	6,5	34,5	48	38	51,6	65,2	187,6
GN 32	65	14	5	6,5	34,5	48	43,5	63,6	73,4	209,6
GN 32H	90	14	6	9,5	41,5	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	6,5	34,5	48	43,5	63,6	73,4	209,6
GN 40H	90	14	6	9,5	41,5	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	6,5	34,5	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	9,5	41,5	68	48	66,1	84,2	247,1
GN 125	90	16	6	9,5	41,5	68	67,3	96,4	125,5	387,4

Serija / Series GF - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GF 10H*	48	12	5	6,5	26,5	36	40	52	64	-
GF 20	48	12	5	6,5	26,5	36	41	54,5	68	189,5
GF 20H	65	12	5	6,5	34,5	48	41,5	55	68,5	190

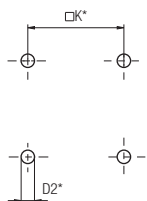
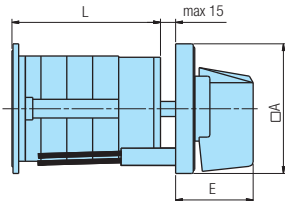
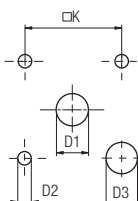
*GF10H max. 8 elem.

Serija / Series G/4G - U

Tip Type	Oznaka / Marking						L											
	□A	D1	D2	D3	E	□K	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	16	5,3	6,5	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	16	5,3	6,5	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	16	5,3	6,5	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	16	5,3	6,5	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	16	5,3	6,5	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	16	5,3	6,5	62,5	104	-	107	-	166	-	226	-	-	-	373	-	432
G1600	132	16	5,3	6,5	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	16	5,3	6,5	62,5	104	-	-	-	166	-	-	-	314	-	-	-	432

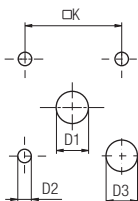
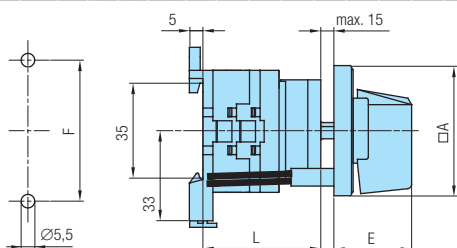
Serija / Series GX - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GX 16	48	12	5	6,5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	6,5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	6,5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	6,5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	6,5	34,5	48	48	60	72	180
GX 40	65	14	5	6,5	34,5	48	48	60	72	180

Plan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series G/4G - U

Tip Type	Oznaka / Marking						L											
	□A	D1	D2	D3	E	□K	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	16	5,3	9,5	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	16	5,3	9,5	62,5	104	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	16	5,3	9,5	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	16	5,3	9,5	62,5	104	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	16	5,3	9,5	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	16	5,3	9,5	62,5	104	-	107	-	166	-	226	-	-	-	373	-	432
G1600	132	16	5,3	9,5	62,5	104	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	16	5,3	9,5	62,5	104	-	-	-	166	-	-	-	314	-	-	-	432



Serija / Series GN - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GN 12	48	12	5	6,5	26,5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	6,5	34,5	48	38,6	48,3	58	145,3
GN 20	48	12	5	6,5	26,5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	6,5	34,5	48	38,6	48,3	58	145,3
GN 25	48	12	5	6,5	26,5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	6,5	34,5	48	43	56,6	70,2	192,6
GN 32	65	14	5	6,5	34,5	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	9,5	41,5	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	6,5	34,5	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	9,5	41,5	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	6,5	34,5	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	9,5	41,5	68	55	73,1	91,2	254,1
GN 125	90	16	6	9,5	41,5	68	74,8	103,9	133	394,9

za / for GN63 D2=6 □K*=68

Serija / Series GF - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GF 20	48	12	5	6,5	26,5	36	46	59,5	73	194,5
GF 20H	65	12	5	6,5	34,5	48	47	60,5	74	195,5

Serija / Series GX - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	D3	E	□K	1	2	3.....12	
GX 16	48	12	5	6,5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	6,5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	6,5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	6,5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	6,5	34,5	48	48	60	72	180
GX 40	65	14	5	6,5	34,5	48	48	60	72	180

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

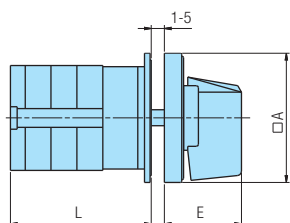
BLOKIRANJE SMJERA OKRETANJA *BLOCKADE OF THE ROTATION DIRECTION*



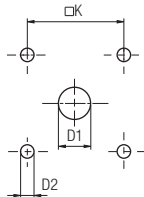
28

Blokiranje lijevog smjera okretanja.

The left direction is blocked.



Plan bušenja / Drilling plan
Prednji lim / Front panel

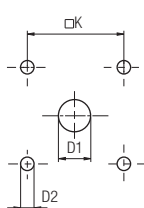
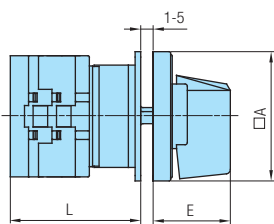


Serijska / Series GN - U

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GN 12	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	34,5	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	41,5	68	48	66,1	84,2	247,1

Serijska / Series GF - U

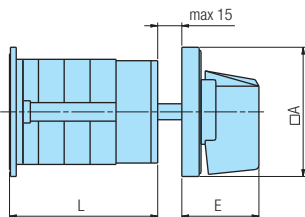
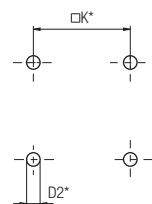
Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GF 20	48	12	5	26,5	36	46	59,5	73	194,5



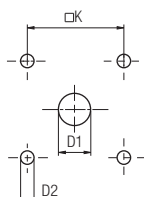
Serijska / Series GX - U

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GX 16	48	12	5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	34,5	48	48	60	72	180
GX 32H	90	14	6	41,5	68	50	62	74	182
GX 40	65	14	5	34,5	48	48	60	72	180
GX 40H	90	14	6	41,5	68	50	62	74	182

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - O

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GN 12	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 20	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 25	48	12	5	26,5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	34,5	48	43	56,6	70,2	192,6
GN 32	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	34,5	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	41,5	68	55	73,1	91,2	254,1

za / for GN63 D2=6 □K*=68

Serijska / Series GF - O

Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3...12	
GF 20	48	12	5	26,5	36	46	59,5	73	194,5

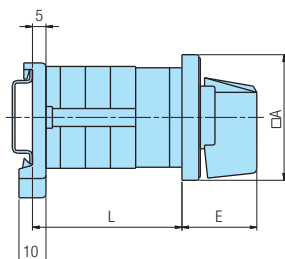
Serijska / Series GX - O

Čena / Price										L
Tip Type	Oznaka / Marking									
	□A	D1	D2	E	F	□K	1	2	3...12	
GX 16	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 16H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 20	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 20H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 32	65	14	5	34,5	68	48	48	60	72	180
GX 32H	90	14	6	41,5	68	68	48	60	72	180
GX 40	65	14	5	34,5	68	48	48	60	72	180
GX 40H	90	14	6	41,5	68	68	48	60	72	180

POSEBNE IZVEDBE *OPTIONAL EXTRAS*NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING***18**

Montaža na šinu 35 EN 50022.

Mounting on the rail 35 EN 50022.

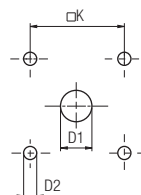
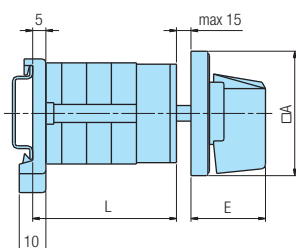


Serija / Series GN - U

Tip Type	Oznaka / Marking			L			
	□A	E	1	2	3...12		
GN 12	48	26,5	41,5	51,2	60,9	148,2	
GN 12H	65	34,5	42,0	51,7	61,4	148,7	
GN 20	48	26,5	41,5	51,2	60,9	148,2	
GN 20H	65	34,5	42,0	51,7	61,4	148,7	
GN 25	48	26,5	45,9	59,5	73,1	195,5	
GN 25H	65	34,5	46,4	60,0	73,6	196,0	
GN 32	65	34,5	51,9	67,0	82,1	218,0	
GN 32H	90	41,5	52,6	67,7	82,8	218,7	
GN 40	65	34,5	51,9	67,0	82,1	218,0	
GN 40H	90	41,5	52,6	67,7	82,8	218,7	
GN 63	65	34,5	55,7	73,8	91,9	254,8	
GN 63H	90	41,5	56,4	74,5	92,6	255,5	

Serija / Series GF - U

Tip Type	Oznaka / Marking			L			
	□A	E	1	2	3...12		
GF 20	48	26,5	49	62,5	76	197,5	
GF 20H	65	34,5	49	62,5	76	197,5	

Plan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series GN - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K		1	2	3...12	
GN 12	48	12	5	26,5	36		38,1	47,8	57,5	144,8
GN 12H	65	12	5	34,5	48		38,1	47,8	57,5	144,8
GN 20	48	12	5	26,5	36		38,1	47,8	57,5	144,8
GN 20H	65	12	5	34,5	48		38,1	47,8	57,5	144,8
GN 25	48	12	5	26,5	36		42,5	56,1	69,7	192,1
GN 25H	65	12	5	34,5	48		42,5	56,1	69,7	192,1
GN 32	65	14	5	34,5	48		49	64,1	79,2	215,1
GN 32H	90	14	6	41,5	68		49	64,1	79,2	215,1
GN 40	65	14	5	34,5	48		49	64,1	79,2	215,1
GN 40H	90	14	6	41,5	68		49	64,1	79,2	215,1
GN 63	65	14	5	34,5	48		52,8	70,9	89	251,9
GN 63H	90	14	6	41,5	68		52,8	70,9	89	251,9

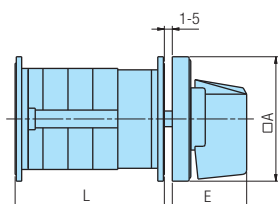
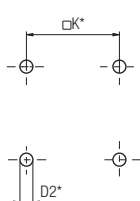
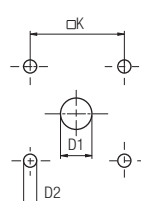
Serija / Series GF - O

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K		1	2	3...12	
GF 20	48	12	5	26,5	36		38,1	47,8	57,5	144,8
GF 20H	65	12	5	34,5	48		38,1	47,8	57,5	144,8

NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING***40**

Montaža srijeda - straga.

Front - rear mounting.

Plan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series GN - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K		1	2	3...12	
GN 12	48	12	5	26,5	36		38,1	47,8	57,5	144,8
GN 12H	65	12	5	34,5	48		39,1	48,8	58,5	145,8
GN 20	48	12	5	26,5	36		38,1	47,8	57,5	144,8
GN 20H	65	12	5	34,5	48		39,1	48,8	58,5	145,8
GN 25	48	12	5	26,5	36		42,5	56,1	69,7	192,1
GN 25H	65	12	5	34,5	48		43,5	57,1	70,7	193,1
GN 32	65	14	5	34,5	48		49	64,1	79,2	215,1
GN 32H	90	14	6	41,5	68		50,7	65,8	80,9	216,8
GN 40	65	14	5	34,5	48		49	64,1	79,2	215,1
GN 40H	90	14	6	41,5	68		50,7	65,8	80,9	216,8
GN 63*	65	14	5	34,5	48		53,8	71,9	90	252,9
GN 63H	90	14	6	41,5	68		55,8	73,9	92	254,9
GN 125	90	16	6	41,5	68		74,8	103,9	133	394,9

za / for GN63 D2=6 □K*=68

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

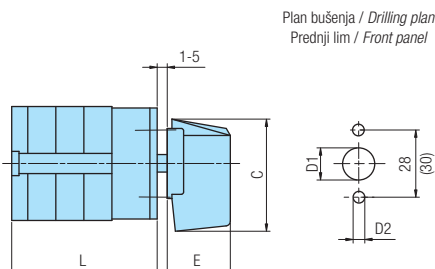
NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING*



38D
38T

Montaža s dva vijka M4 na razmaku 28 mm (izvedba 38D), odnosno na razmaku 30 mm (izvedba 38T), bez prednje ploče.

Mounting by two screws M4 at a distance 28 mm (optional extra 38D), or at a distance 30 mm (optional extra 38T), without front plate.



Serijska / Series GN - U

Tip Type	Oznaka / Marking				L							
	C	D1	D2	E	1	2	3	4	5	6	7	8
GN 12	39,5	12	5	19	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN 20	39,5	12	5	19	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN 25	39,5	12	5	19	40,5	54,1	67,7	81,3	94,9	108,5	122,1	135,7
GN 32*	53	14	5	25	46,5	61,6	76,7	91,8	106,9	122	-	-
GN 40*	53	14	5	25	46,5	61,6	76,7	91,8	106,9	122	-	-
GN 63*	53	14	5	25	50,3	68,4	86,5	104,6	122,7	140,8	-	-

*Nije moguće u izvedbi 38T / Not possible for optional extra 38T

Serijska / Series GF - U

Tip Type	Oznaka / Marking				L							
	C	D1	D2	E	1	2	3	4	5	6	7	8
GF 20	39,5	12	5	19	44	57,5	71	84,5	98	111,5	125	138,5

Serijska / Series GX - U

Tip Type	Oznaka / Marking				L							
	C	D1	D2	E	1	2	3	4	5	6	7	8
GX 16	39,5	12	5	19	43	51,5	60	68,5	77	85,5	94	102,5
GX 20	39,5	14	5	19	43	51,5	60	68,5	77	85,5	94	102,5
GX 32*	53	14	5	25	50,5	62,5	74,5	86,5	98,5	110,5	-	-
GX 40*	53	14	5	25	50,5	62,5	74,5	86,5	98,5	110,5	-	-

*Nije moguće u izvedbi 38T / Not possible for optional extra 38T

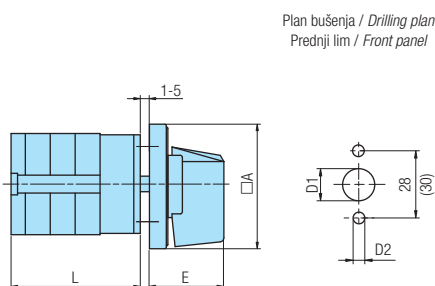
NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING*



39D
39T

Montaža s dva vijka M4 na razmaku 28 mm (izvedba 39D), odnosno na razmaku 30 mm (izvedba 39T), s prednjom pločom.

Mounting by two screws M4 at a distance 28 mm (optional extra 39D), or at a distance 30 mm (optional extra 39T), with front plate.



Serijska / Series GN - U

Tip Type	Oznaka / Marking				L							
	□A	D1	D2	E	1	2	3	4	5	6	7	8
GN 12	48	12	5	26,5	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN12H*	65	14	5	34,5	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN 20	48	12	5	26,5	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN20H*	65	14	5	34,5	36,1	45,8	55,5	65,2	74,9	84,6	94,3	104
GN 25	48	12	5	26,5	40,5	54,1	67,7	81,3	94,9	108,5	122,1	135,7
GN25H*	65	14	5	34,5	40,5	54,1	67,7	81,3	94,9	108,5	122,1	135,7
GN 32*	65	14	5	34,5	46,5	61,6	76,7	91,8	106,9	122	-	-
GN 40*	65	14	5	34,5	46,5	61,6	76,7	91,8	106,9	122	-	-
GN 63*	65	14	5	34,5	50,3	68,4	86,5	104,6	122,7	140,8	-	-

*Nije moguće u izvedbi 39T / Not possible for optional extra 39T

Serijska / Series GF - U

Tip Type	Oznaka / Marking				L							
	□A	D1	D2	E	1	2	3	4	5	6	7	8
GF 20	48	12	5	26,5	44	57,5	71	84,5	98	111,5	125	138,5
GF20H*	65	14	5	34,5	44,5	58	71,5	85	98,5	112	125,5	139

*Nije moguće u izvedbi 39T / Not possible for optional extra 39T

Serijska / Series GX - U

Tip Type	Oznaka / Marking				L							
	□A	D1	D2	E	1	2	3	4	5	6	7	8
GX 16	48	12	5	26,5	43	51,5	60	68,5	77	85,5	94	102,5
GX 16H*	65	12	5	34,5	43,5	52	60,5	69	77,5	86	94,5	103
GX 20	48	12	5	26,5	43	51,5	60	68,5	77	85,5	94	102,5
GX 20H*	65	12	5	34,5	43,5	52	60,5	69	77,5	86	94,5	103
GX 32*	65	14	5	34,5	50,5	62,5	74,5	86,5	98,5	110,5	-	-
GX 40*	65	14	5	34,5	50,5	62,5	74,5	86,5	98,5	110,5	-	-

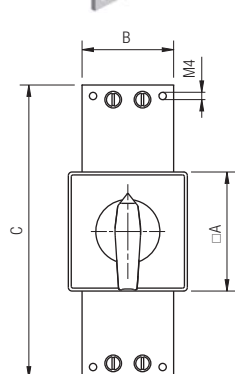
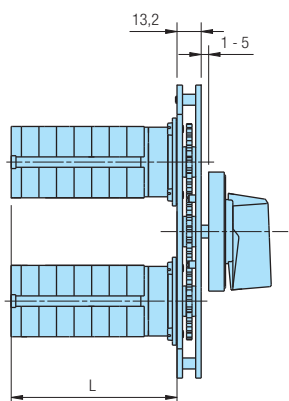
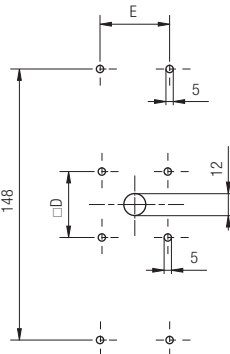
*Nije moguće u izvedbi 39T / Not possible for optional extra 39T

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING*

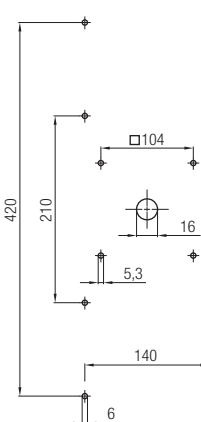
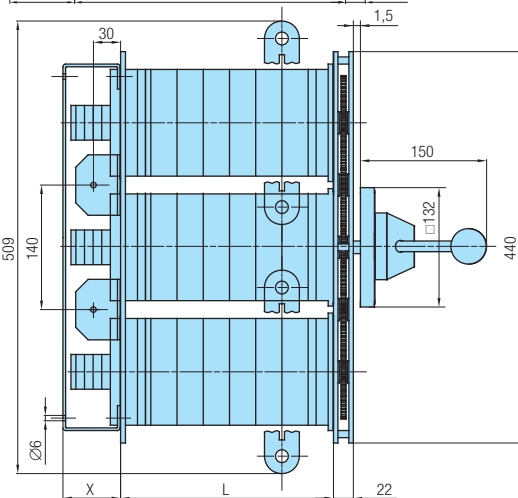
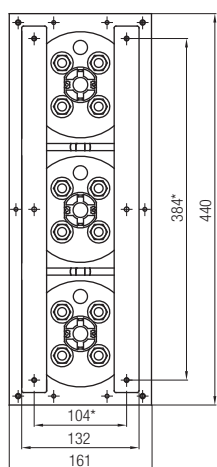
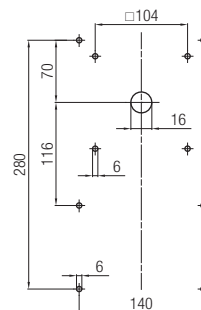
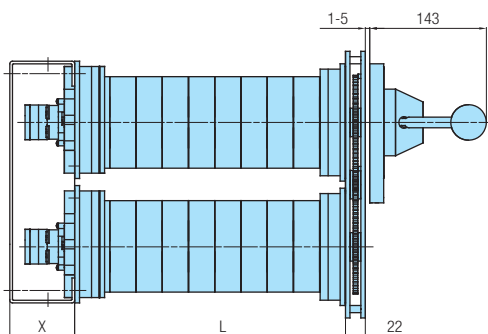
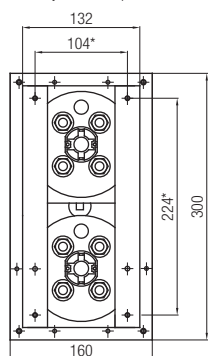

34

Paralelni pogon dvije ili tri sklopke.

Two or three columns switches can be operated simultaneously.

Plan bušenja* / Drilling plan*
Stražnji lim / Rear panel

Plan bušenja / Drilling plan
Prednji lim / Front panel


Serija / Series GN - U

Tip Type	Oznaka/ Marking					L				
	A	B	C	D	E	1	2	3...	12	
GN 12	65	50	160	36	38	33,1	42,8	52,5	139,8	
GN 20	65	50	160	36	38	33,1	42,8	52,5	139,8	
GN 25	65	50	160	36	38	37,5	51,1	64,7	187,1	
GN 32	90	65	160	48	53	43,5	58,6	73,7	209,6	
GN 40	90	65	160	48	53	43,5	58,6	73,7	209,6	
GN 63	90	65	160	48	53	47,3	65,4	83,5	246,4	
GN 125	132	160	300	104	140	67,3	96,4	125,5	395,9	

Plan bušenja / Drilling plan
Prednji lim / Front panel


Serija / Series G/4G - U

Tip Type	L											
	1	2	3	4	5	6	7	8	9	10	11	12
4G200	67	97	126	156	186	216	274	304	363	363	392	422
G315	57	97	156	156	186	226	274	304	363	363	392	422
4G400	-	97	-	156	-	226	-	304	-	363	-	422
G630	-	97	-	156	-	226	-	304	-	363	-	422
G900	-	-	156	-	-	226	-	-	363	-	-	422
G1200	-	97	-	156	-	226	-	304	-	363	-	422
G1600	-	-	156	-	-	226	-	-	363	-	-	422
G2000	-	-	-	166	-	-	-	304	-	-	-	422

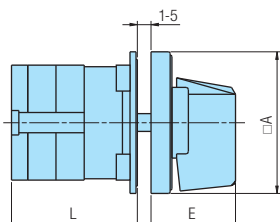
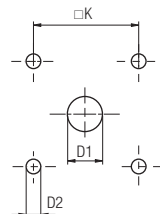
Broj elemenata / Number of elements												
	1	2	3	4	5	6	7	8	9	10	11	12
X	70			100			130			160		

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING*


31

Montaža s četiri umetnute matice.

Mounting by four inserted nuts.

Plan bušenja / Drilling plan
Prednji lim / Front panel


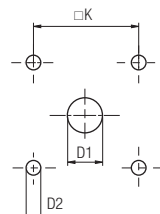
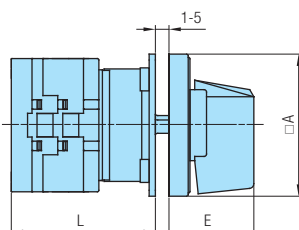
Serijska / Series GN - U

Tip Type	Oznaka / Marking					L		
	A	D1	D2	E	K	1	2... 12	
GN 12	48	12	5	26,5	36	33,1	42,8	139,8
GN 12H	65	12	5	34,5	48	33,6	43,3	140,3
GN 20	48	12	5	26,5	36	33,1	42,8	138,8
GN 20H	65	12	5	34,5	48	33,6	43,3	140,3
GN 25	48	12	5	26,5	36	37,5	51,1	187,1
GN 25H	65	12	5	34,5	48	38	51,6	190,5
GN 32	65	14	5	34,5	48	43,5	58,6	209,6
GN 32H	90	14	6	41,5	68	44,2	59,3	210,3
GN 40	65	14	5	34,5	48	43,5	58,6	209,6
GN 40H	90	14	6	41,5	68	44,2	59,3	210,3
GN 63	65	14	5	34,5	48	47,3	65,4	246,4
GN 63H	90	14	6	41,5	68	48	66,1	247,1
GN 125	90	16	6	41,5	68	67,3	96,4	394,9

za / for GN63 D2=6 □K*=68

Serijska / Series GF - U

Tip Type	Oznaka / Marking					L		
	A	D1	D2	E	K	1	2... 12	
GF 20	48	12	5	26,5	36	41	54,5	189,5
GF 20H	65	12	5	34,5	48	42	55,5	190



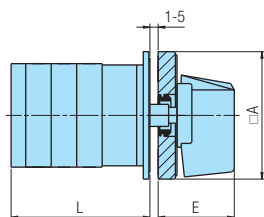
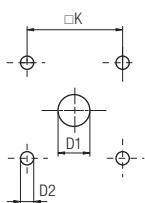
Serijska / Series GX - U

Tip Type	Oznaka / Marking					L		
	A	D1	D2	E	K	1	2... 12	
GX 16	48	12	5	26,5	36	40	48,5	133,5
GX 16H	65	12	5	34,5	48	40,5	49	134
GX 20	48	12	5	26,5	36	40	48,5	133,5
GX 20H	65	12	5	34,5	48	40,5	49	134
GX 32	65	14	5	34,5	48	48	60	180
GX 32H	90	14	6	41,5	68	50	62	182
GX 40	65	14	5	34,5	48	48	60	180
GX 40H	90	14	6	41,5	68	50	62	182

POVEĆANI STUPANJ ZAŠTITE *INCREASED PROTECTION DEGREE*

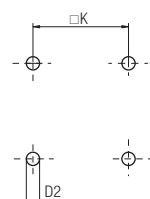
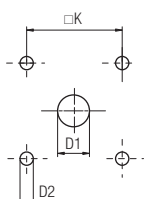

01

Zaštita sprijeda IP54.

Front protection IP54.

Plan bušenja / Drilling plan
Prednji lim / Front panel


Serijska / Series G/4G - U

Tip Type	Oznaka / Marking					L							
	A	D1	D2	E	K	1	2	3	4	5	6	7	8... 12
4G200	132	16	5,3	56,5	104	77	107	136	166	196	226	264	432
G315	132	16	5,3	56,5	104	77	107	136	166	196	226	264	432
4G400	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G630	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G900	132	16	5,3	56,5	104	-	-	136	-	-	226	-	432
G1200	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G1600	132	16	5,3	56,5	104	-	-	136	-	-	226	-	432
G2000	132	16	5,3	56,5	104	-	-	-	166	-	-	-	432

Plan bušenja / Drilling plan
Stražnji lim / Rear panel

Plan bušenja / Drilling plan
Prednji lim / Front panel


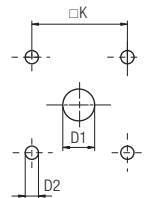
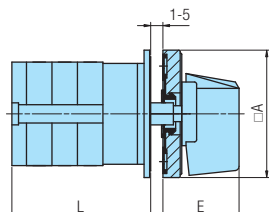
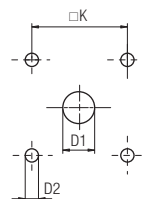
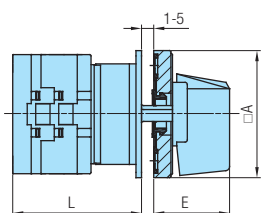
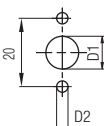
Serijska / Series G/4G - 0

Tip Type	Oznaka / Marking					L							
	A	D1	D2	E	K	1	2	3	4	5	6	7	8... 12
4G200	132	16	5,3	56,5	104	77	107	136	166	196	226	264	432
G315	132	16	5,3	56,5	104	77	107	136	166	196	226	264	432
4G400	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G630	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G900	132	16	5,3	56,5	104	-	-	136	-	-	226	-	432
G1200	132	16	5,3	56,5	104	-	107	-	166	-	226	-	432
G1600	132	16	5,3	56,5	104	-	-	136	-	-	226	-	432
G2000	132	16	5,3	56,5	104	-	-	-	166	-	-	-	432

POSEBNE IZVEDBE *OPTIONAL EXTRAS*POVEĆANI STUPANJ ZAŠTITE *INCREASED PROTECTION DEGREE***51**

Zaštita sprijeda IP65.

Front protection IP65.

Plan bušenja / Drilling plan
Prednji lim / Front panelGF10
GF20R

Serija / Series GN - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GN 12	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	44,2	59,3	74,4	210,3
GN 63	65	14	5	34,5	48	47,3	65,4	83,5	246,4
GN 63H	90	14	6	41,5	68	48	66,1	84,2	247,1
GN 125	90	16	6	41,5	68	67,3	96,4	125,5	394,9

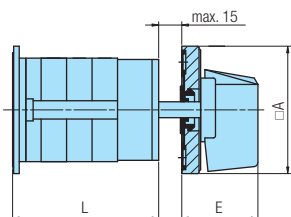
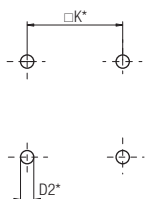
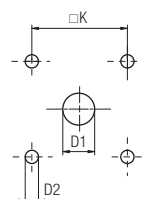
Serija / Series GF - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GF 10*	30	9	3,2	18,5	-	40	52	64	-
GF 20	48	12	5	26,5	36	41	54,5	68	189,5
GF 20R*	30	9	3,2	18,5	-	33,6	53,5	67	-

*GF10 max. 8 elem., GF20R max. 6 elem.

Serija / Series GX - U

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GX 16	48	12	5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	34,5	48	48	60	72	180
GX 32H	90	14	6	41,5	68	50	62	74	182
GX 40	65	14	5	34,5	48	48	60	72	180
GX 40H	90	14	6	41,5	68	50	62	74	182

Plan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series GN - O

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GN 12	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 12H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 20	48	12	5	26,5	36	38,1	47,8	57,5	144,8
GN 20H	65	12	5	34,5	48	38,6	48,3	58	145,3
GN 25	48	12	5	26,5	36	42,5	56,1	69,7	192,1
GN 25H	65	12	5	34,5	48	43	56,6	70,2	192,6
GN 32	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 32H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 40	65	14	5	34,5	48	48,5	63,6	78,7	214,6
GN 40H	90	14	6	41,5	68	49,2	64,3	79,4	215,3
GN 63*	65	14	5	34,5	48	54,3	72,4	90,5	253,4
GN 63H	90	14	6	41,5	68	55	73,1	91,2	254,1
GN 125	90	16	6	41,5	68	74,8	103,9	133	394,9

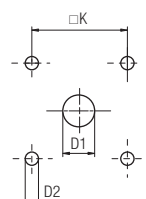
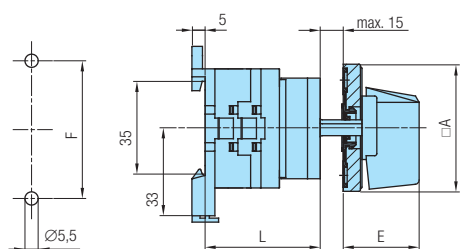
* za / for GN63 D2*=6 K*=68

Serija / Series GF - O

Tip Type	Oznaka / Marking					L			
	A	D1	D2	E	K	1	2	3...12	
GF 20	48	12	5	26,5	36	46	59,5	73	194,5

Serija / Series GX - O

Čena / Price list										
Tip Type	Oznaka / Marking					L				
	□A	D1	D2	E	F	□K	1	2	3...12	
GX 16	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 16H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 20	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 20H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 32	65	14	5	34,5	68	48	48	60	72	180
GX 32H	90	14	6	41,5	68	68	48	60	72	180
GX 40	65	14	5	34,5	68	48	48	60	72	180
GX 40H	90	14	6	41,5	68	68	48	60	72	180



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

ZAŠTITNA KAPA *PROTECTION COVER*

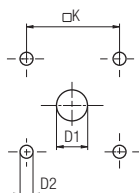
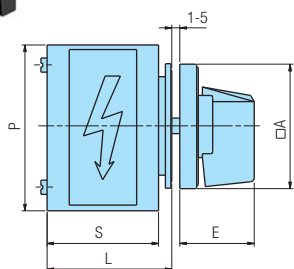


19

Zaštita od slučajnog dodira dovodnih priključnih stezaljki. Samo za sklopke s dva elementa.

Protection against an accidental contact with the supplying terminals. For the switches with only two elements.

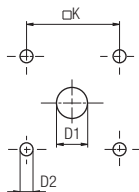
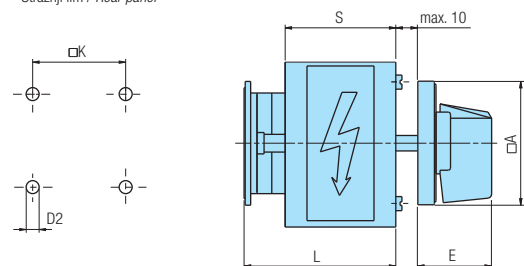
Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L
	□A	D1	D2	E	□K	S	P	
GN 12	48	12	5	26,5	36	43	64	51,3
GN 12H	65	12	5	34,5	48	43	64	51,8
GN 20	48	12	5	26,5	36	43	64	51,3
GN 20H	65	12	5	34,5	48	43	64	51,8
GN 25	48	12	5	26,5	36	51	68	59,6
GN 25H	65	12	5	34,5	48	51	68	60,1
GN 32	65	14	5	34,5	48	55	77	68,7
GN 32H	90	14	6	41,5	68	55	77	69,4
GN 40	65	14	5	34,5	48	55	77	68,7
GN 40H	90	14	6	41,5	68	55	77	69,4

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Serijska / Series GN - O

Tip Type	Oznaka / Marking							L
	□A	D1	D2	E	□K	S	P	
GN 12	48	12	5	26,5	36	43	51,3	
GN 12H	65	12	5	34,5	48	43	51,8	
GN 20	48	12	5	26,5	36	43	51,3	
GN 20H	65	12	5	34,5	48	43	51,8	
GN 25	48	12	5	26,5	36	51	59,6	
GN 25H	65	12	5	34,5	48	51	60,1	
GN 32	65	14	5	34,5	48	55	68,7	
GN 32H	90	14	6	41,5	68	55	69,4	
GN 40	65	14	5	34,5	48	55	68,7	
GN 40H	90	14	6	41,5	68	55	69,4	

ZAŠTITNA KAPA *PROTECTION COVER*

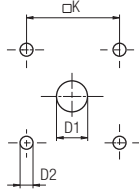
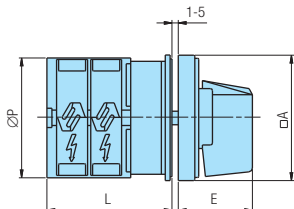


69

Zaštita od slučajnog dodira dovodnih priključnih stezaljki. Standardno - zaštita dovodnih priključnih stezaljki (sklopke 0-1; 1-12 polne).

Protection against an accidental contact with the supplying terminals. Standard manner supplying terminals are protected (switches 0-1; 1-12 poles).

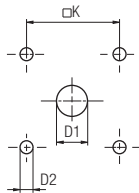
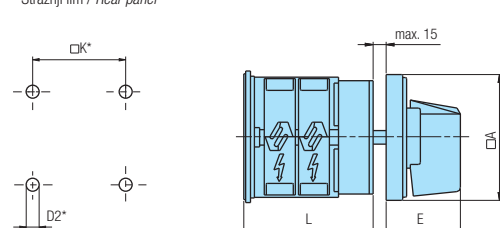
Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□K	ØP	1	2	3...12		
GN 12	48	12	5	26,5	36	39	33,1	42,8	52,5	139,8	
GN 12H	65	12	5	34,5	48	39	33,6	43,3	53	140,3	
GN 20	48	12	5	26,5	36	39	33,1	42,8	52,5	139,8	
GN 20H	65	12	5	34,5	48	39	33,6	43,3	53	140,3	
GN 25	48	12	5	26,5	36	43	37,5	51,1	64,7	187,1	
GN 25H	65	12	5	34,5	48	58	38	51,6	65,2	187,6	
GN 32	65	14	5	34,5	48	58,5	43,5	58,6	73,7	209,6	
GN 32H	90	14	6	41,5	68	84	44,2	59,3	74,4	210,3	
GN 40	65	14	5	34,5	48	58,5	43,5	58,6	73,7	209,6	
GN 40H	90	14	6	41,5	68	84	44,2	59,3	74,4	210,3	
GN 63	65	14	5	34,5	48	62	47,3	65,4	83,5	246,4	
GN 63H	90	14	6	41,5	68	84	48	66,1	84,2	247,1	
GN 125	90	16	6	41,5	68	86,5	67,3	96,4	125,5	387,4	

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Serijska / Series GN - O

Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□K	1	2	3...12			
GN 12	48	12	5	26,5	36	38,1	47,8	57,5	144,8		
GN 12H	65	12	5	34,5	48	38,6	48,3	58	147,7		
GN 20	48	12	5	26,5	36	38,1	47,8	57,5	144,8		
GN 20H	65	12	5	34,5	48	38,6	48,3	58	147,7		
GN 25	48	12	5	26,5	36	42,5	56,1	69,7	192,1		
GN 25H	65	12	5	34,5	48	43	56,6	70,2	192,6		
GN 32	65	14	5	34,5	48	48,5	63,6	78,7	214,6		
GN 32H	90	14	6	41,5	68	49,2	64,3	79,4	215,3		
GN 40	65	14	5	34,5	48	48,5	63,6	78,7	214,6		
GN 40H	90	14	6	41,5	68	49,2	64,3	79,4	215,3		
GN 63*	65	14	5	34,5	48	54,3	72,4	90,5	253,4		
GN 63H	90	14	6	41,5	68	55	73,1	91,2	254,1		
GN 125	90	16	6	41,5	68	74,8	103,9	133	394,9		

* za / for N63 D2*=6 □K*=68

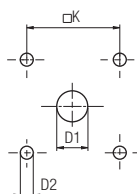
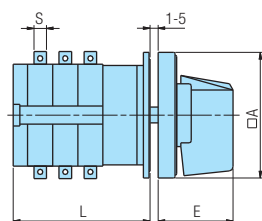
POSEBNE IZVEDBE *OPTIONAL EXTRAS*

IZVUČENI PRIKLJUČCI *EXTENSION TERMINALS*

**03**

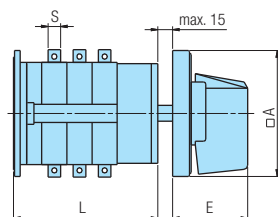
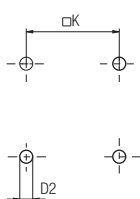
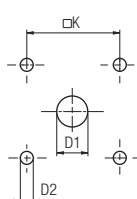
Utični priključci.

Fast-on terminals.

APM 4,8 GN12, GN20
APM 6,3 GN25, GN32, GN40Plan bušenja / Drilling plan
Prednji lim / Front panel

Serijska / Series GN - U

Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GN 12	48	12	5	26,5	36	4,8	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	4,8	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	4,8	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	4,8	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	6,3	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	6,3	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	6,3	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	6,3	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	6,3	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	6,3	44,2	59,3	74,4	210,3

Plan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serijska / Series GN - O

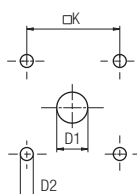
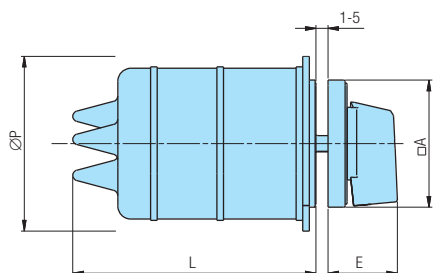
Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	S	1	2	3...12	
GN 12	48	12	5	26,5	36	4,8	33,1	42,8	52,5	139,8
GN 12H	65	12	5	34,5	48	4,8	33,6	43,3	53	140,3
GN 20	48	12	5	26,5	36	4,8	33,1	42,8	52,5	139,8
GN 20H	65	12	5	34,5	48	4,8	33,6	43,3	53	140,3
GN 25	48	12	5	26,5	36	6,3	37,5	51,1	64,7	187,1
GN 25H	65	12	5	34,5	48	6,3	38	51,6	65,2	187,6
GN 32	65	14	5	34,5	48	6,3	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	6,3	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	6,3	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	6,3	44,2	59,3	74,4	210,3

ZAŠTITNA NAVLAKA *PROTECTION TUBE*

**43**

Stražnja zaštita IP42. Mogućnost naknadne ugradnje zaštitne navlake na standardnu sklopku.

Rear protection IP42. Possibility to directly fitted on the standard switch.



Tip Type	Oznaka / Marking					
	□A	D1	D2	E	□K	ØP
GN 12	48	12	5	26,5	36	66
GN 20	48	12	5	26,5	36	66
GN 25	48	12	5	26,5	36	66
GN 32	65	14	5	34,5	48	89
GN 40	65	14	5	34,5	48	89
GN 63	65	14	5	34,5	48	89

Tip / Type	Br. elemenata No. of elements	L
GN12, GN20, GN25	1 - 2	90
	3 - 4	115
	5 - 6	140
GN32, GN40 GN63	1 - 4	112,5
	1 - 3	112,5

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

POMOĆNI KONTAKTI *AUXILIARY CONTACTS*

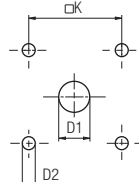
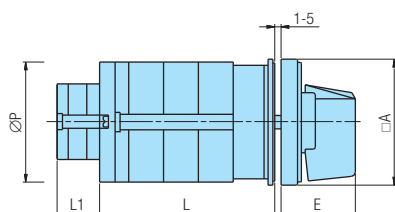


04

Narudžbom je potrebno definirati tip (GN12, GN20, GN25) i program skapanja pomoćnih kontakata.

It is necessary to define switch type (GN12, GN20, GN25) and switching diagram of the auxiliary contacts.

Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L				
	□A	D1	D2	E	□K	ØP		1	2	3	6...12	
GN 32	65	14	5	34,5	48	58,5	50	65,1	80,2	125,5	216,1	
GN 32H	90	14	6	41,5	68	84	50,7	65,8	80,9	126,2	216,8	
GN 40	65	14	5	34,5	48	58,5	50	65,1	80,2	125,5	216,1	
GN 40H	90	14	6	41,5	68	84	50,7	65,8	80,9	126,2	216,8	
GN 63	65	14	5	34,5	48	62	53,8	71,9	90	144,3	252,9	
GN 63H	90	14	6	41,5	68	84	54,5	72,6	90,7	145	253,6	
GN 125	90	16	6	41,5	68	88	74,3	103,4	132,5	219,8	402	

Serijska / Series G/4G - U

Tip Type	Oznaka / Marking							L											
	□A	D1	D2	D3	E	□K	ØP	1	2	3	4	5	6	7	8	9	10	11	12
4G200	132	16	5,3	6,5	62,5	104	120	77	107	136	166	196	226	284	314	343	373	402	432
G315	132	16	5,3	6,5	62,5	104	120	77	107	136	166	196	226	284	314	343	373	402	432
4G400	132	16	5,3	6,5	62,5	104	120	-	107	-	166	-	226	-	314	-	373	-	432
G630	132	16	5,3	6,5	62,5	104	120	-	107	-	166	-	226	-	314	-	373	-	432
G900	132	16	5,3	6,5	62,5	104	120	-	-	136	-	-	226	-	-	343	-	-	432
G1200	132	16	5,3	6,5	62,5	104	120	-	107	-	166	-	226	-	-	-	373	-	432
G1600	132	16	5,3	6,5	62,5	104	120	-	-	136	-	-	226	-	-	343	-	-	432
G2000	132	16	5,3	6,5	62,5	104	120	-	-	-	166	-	-	-	314	-	-	-	432

Tip Type	L1 / GN32, GN40, GN63, GN125			
	1	2	3...12	
GN 12	33,1	42,8	52,5	139,8
GN 20	33,1	42,8	52,5	139,8
GN 25	37,5	51,1	64,7	183,2

Tip Type	L1 / 4G200 - G2000			
	1	2	3...12	
GN 12	34,4	44	53,6	140
GN 20	34,4	44	53,6	140
GN 25	38,8	52,3	65,8	187,3

ZEMLJA I NULA PRIKLJUČAK *GROUND AND NEUTRAL TERMINAL*

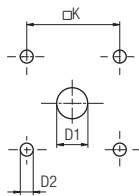
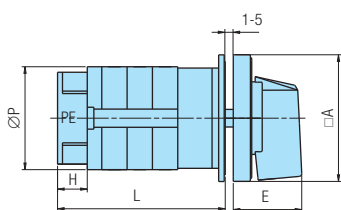


33

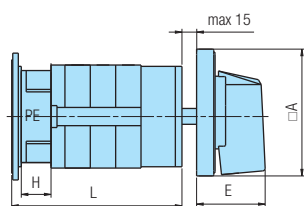
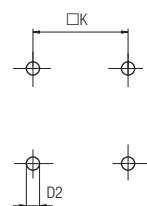
Priključna mjesta vodiča zemlje (PE) i nule (N).

Ground (PE) and neutral (N) connecting unit.

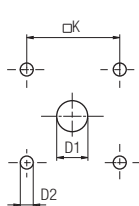
Plan bušenja / Drilling plan
Prednji lim / Front panel



Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Plan bušenja / Drilling plan
Prednji lim / Front panel



Serijska / Series GN - U

Tip Type	Oznaka / Marking							L				
	□A	D1	D2	E	□K	H	ØP	1	2	3...12		
GN 12	48	12	5	26,5	36	10,6	39	43,7	53,4	63,1	150,4	
GN 12H	65	12	5	34,5	48	10,6	58	44,2	53,9	63,6	150,9	
GN 20	48	12	5	26,5	36	10,6	39	43,7	53,4	63,1	150,4	
GN 20H	65	12	5	34,5	48	10,6	58	44,2	53,9	63,6	150,9	
GN 25	48	12	5	26,5	36	10,6	43	48,1	61,7	75,3	197,7	
GN 25H	65	12	5	34,5	48	10,6	58	48,6	62,2	75,8	198,2	
GN 32	65	14	5	34,5	48	15,5	58,5	59	74,1	89,2	225,1	
GN 32H	90	14	6	41,5	68	15,5	84	59,7	74,8	89,9	225,8	
GN 40	65	14	5	34,5	48	15,5	58,5	59	74,1	89,2	225,1	
GN 40H	90	14	6	41,5	68	15,5	84	59,7	74,8	89,9	225,8	
GN 63	65	14	5	34,5	48	15,5	62	62,8	80,9	99	261,9	
GN 63H	90	14	6	41,5	68	15,5	84	63,5	81,6	99,7	262,6	

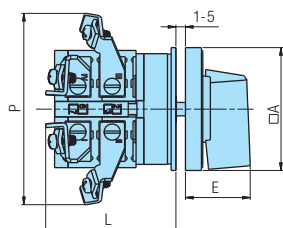
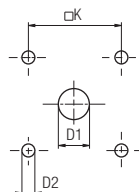
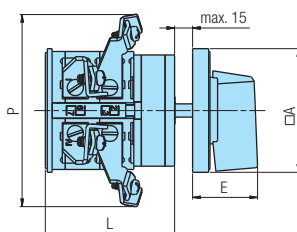
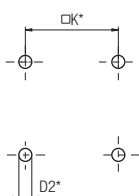
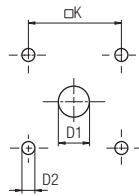
Serijska / Series GN - O

Tip Type	Oznaka / Marking							L				
	□A	D1	D2	E	H	□K		1	2	3...12		
GN 12	48	12	5	26,5	10,6	36	48,7	58,4	68,1	155,4		
GN 12H	65	12	5	34,5	10,6	48	49,2	58,9	68,6	155,9		
GN 20	48	12	5	26,5	10,6	36	48,7	58,4	68,1	155,4		
GN 20H	65	12	5	34,5	10,6	48	49,2	58,9	68,6	155,9		
GN 25	48	12	5	26,5	10,6	36	53,1	66,7	80,3	202,7		
GN 25H	65	12	5	34,5	10,6	48	53,6	67,2	80,8	203,2		
GN 32	65	14	5	34,5	15,5	48	64	79,1	94,2	230,1		
GN 32H	90	14	6	41,5	15,5	68	64,7	79,8	94,9	230,8		
GN 40	65	14	5	34,5	15,5	48	64	79,1	94,2	230,1		
GN 40H	90	14	6	41,5	15,5	68	64,7	79,8	94,9	230,8		
GN 63	65	14	5	34,5	15,5	48	69,8	87,9	106	268,9		
GN 63H	90	14	6	41,5	15,5	68	70,5	88,6	106,7	269,6		

POSEBNE IZVEDBE *OPTIONAL EXTRAS*IZVUČENI PRIKLJUČCI *EXTENSION TERMINALS***53**

Olakšano ožičenje sklopke.

Relief the cable connection.

Plan bušenja / Drilling plan
Prednji lim / Front panelPlan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	P	1	2	3...12	
GN 32	65	14	5	34,5	48	85x87	43,5	58,6	73,7	209,6
GN 32H	90	14	6	41,5	68	85x87	44,2	59,3	74,4	210,3
GN 40	65	14	5	34,5	48	85x87	43,5	58,6	73,7	209,6
GN 40H	90	14	6	41,5	68	85x87	44,2	59,3	74,4	210,3
GN 63	65	14	5	34,5	48	89x102	47,3	65,4	83,5	246,4
GN 63H	90	14	6	41,5	68	89x102	48	66,1	84,2	247,1

Serija / Series GN - O

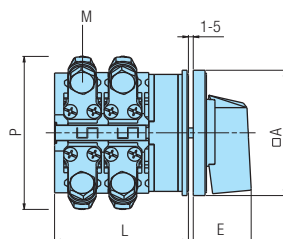
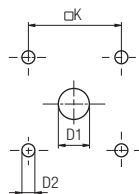
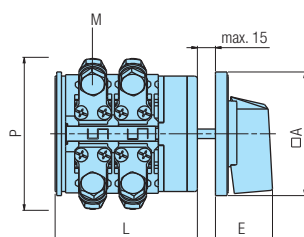
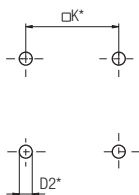
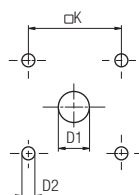
Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	P	1	2	3...12	
GN 32	65	14	5	34,5	48	85x87	48,5	63,6	78,7	214,6
GN 32H	90	14	6	41,5	68	85x87	49,2	64,3	79,4	215,3
GN 40	65	14	5	34,5	48	85x87	48,5	63,6	78,7	214,6
GN 40H	90	14	6	41,5	68	85x87	49,2	64,3	79,4	215,3
GN 63*	65	14	5	34,5	48	89x102	54,3	72,4	90,5	253,4
GN 63H	90	14	6	41,5	68	89x102	55	73,1	91,2	254,1

* za / for GN63 D2*=6 □K*=68

IZVUČENI PRIKLJUČCI *EXTENSION TERMINALS***53D**

Omogućeno spajanje kablskim stopicama.

Terminal lugs facilitate the connecting.

Plan bušenja / Drilling plan
Prednji lim / Front panelPlan bušenja / Drilling plan
Stražnji lim / Rear panelPlan bušenja / Drilling plan
Prednji lim / Front panel

Serija / Series GN - U

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	M	P	1	2	3...12
GN 63	65	14	5	34,5	48	M5	80x100	47,3	65,4	83,5
GN 63H	90	16	6	41,5	68	M5	80x100	48	66,1	84,2
GN 125	90	16	6	41,5	68	M10	110x110	67,3	96,4	125,5

Serija / Series GN - O

Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	K	M	P	1	2	3...12
GN 63*	65	14	5	34,5	48	M5	80x100	54,3	72,4	90,5
GN 63H	90	16	6	41,5	68	M5	80x100	55	73,1	91,2
GN 125	90	16	6	41,5	68	M10	110x110	74,8	103,9	133

* za / for GN63 D2*=6 □K*=68

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

PLASTIČNO KUĆIŠTE *PLASTIC ENCLOSURE*

03

Utični priključci
Fast-on terminals



Serijska / *Series GN*

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	25
GN 20		1 - 3	4 - 6						
GN 25		1 - 2	3 - 4						
GN 32	110 x 110	1 - 3	4 - 5	110	110	83	98,4	4,5	32
GN 40		1 - 2	3 - 5						

28

Blokiranje lijevog smjera okretanja
The left direction is blocked



Serijska / *Series GN*

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	75 x 75	1 - 2	3 - 4	75	75	64	50	4,5	19
GN 20		1 - 2	3 - 4						
GN 25		1	2 - 3						
GN 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	25
GN 20		1 - 3	4 - 6						
GN 25		1 - 2	3 - 4						
GN 32		1 - 2	3 - 4						
GN 40	110 x 110	1	2 - 3	110	110	83	98,4	4,5	32
GN 12		1 - 4	5 - 8						
GN 20		1 - 4	5 - 8						
GN 25		1 - 3	4 - 5						
GN 32		1 - 3	4 - 5						
GN 40	125 x 175	1 - 2	3 - 5	125	175	112	146	5,5	32
GN 63		1 - 2	3 - 4						
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 4						
GN 125	180 x 254	1	2	180	254	120	190	5,5	41,5
GN 125		1 - 2	3 - 4						

Serijska / *Series GX*

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GX 16	90 x 90	1 - 2	3 - 5	90	90	63	79	4,5	28
GX 20		1 - 3	4 - 7						
GX 16	110 x 110	1 - 3	4 - 7	110	110	83	98,4	4,5	38,5
GX 32		1 - 2	3 - 4						
GX 40									

24

Standardna sklopka sa žutom podlogom i crvenom ručicom
Standard switch with yellow escutcheon plate and red handle



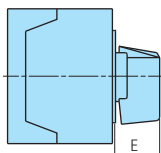
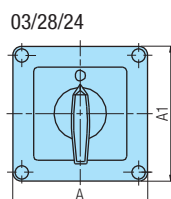
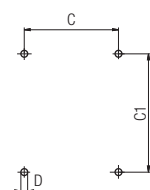
Serijska / *Series GN*

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	75 x 75	1 - 2	3 - 4	75	75	64	50	4,5	19
GN 20		1 - 2	3 - 4						
GN 25		1	2 - 3						
GN 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	25
GN 20		1 - 3	4 - 6						
GN 25		1 - 2	3 - 4						
GN 32		1 - 2	3 - 4						
GN 40	110 x 110	1	2 - 3	110	110	83	98,4	4,5	32
GN 12		1 - 4	5 - 8						
GN 20		1 - 4	5 - 8						
GN 25		1 - 3	4 - 5						
GN 32		1 - 3	4 - 5						
GN 40	125 x 175	1 - 2	3 - 5	125	175	112	146	5,5	32
GN 63		1 - 2	3 - 4						
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 4						
GN 125	180 x 254	1	2	180	254	120	190	5,5	41,5
GN 125		1 - 2	3 - 4						

Serijska / *Series GX*

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GX 16	90 x 90	1 - 2	3 - 5	90	90	63	79	4,5	28
GX 20		1 - 3	4 - 7						
GX 16	110 x 110	1 - 3	4 - 7	110	110	83	98,4	4,5	38,5
GX 32		1 - 2	3 - 4						
GX 40									

Plan bušenja / *Drilling plan*
Stražnji list / *Rear panel*

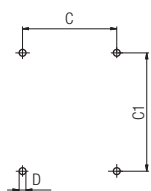


POSEBNE IZVEDBE *OPTIONAL EXTRAS*PLASTIČNO KUĆIŠTE *PLASTIC ENCLOSURE*
06
23
25

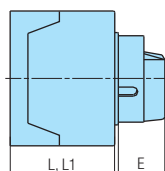
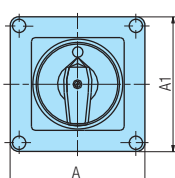
Zaključavanje samo u "0" (vidi stranice 19 i 25)

Locking only in "0" (see pages 19 and 25)

	MOGUĆNOSTI POSSIBILITY	RUČICA HANDLE	ČEONA PLOČA COVER PLATE	KUĆIŠTE ENCLOSURE
06		siva / grey	siva / grey	sivo / grey
23		crna / black	crna / black	sivo / grey
25		crvena / red	žuta / yellow	sivo / grey

Plan bušenja / Drilling plan
Stražnji lim / Rear panel

06/23/25



Serija / Series GN

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	75 x 75	1 - 2	3 - 4	75	75	64	50	4,5	28
GN 20		1 - 2	3 - 4						
GN 25		1	2 - 3						
GN 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	28
GN 20		1 - 3	4 - 6						
GN 25		1 - 2	3 - 4						
GN 32		1 - 2	3 - 4						
GN 40		1	2 - 3						
GN 12	110 x 110	1 - 4	5 - 8	110	110	83	98,4	4,5	38,5
GN 20		1 - 4	5 - 8						
GN 25		1 - 3	4 - 5						
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 5						
GN 63	125 x 175	1 - 2	3 - 4	125	175	112	146	5,5	38,5
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 4						
GN 63		1 - 2	3 - 4						
GN 125		1	2						
GN 125	180 x 254	1 - 2	3 - 4	180	254	120	190	5,5	49

Serija / Series GX

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GX 16	90 x 90	1 - 2	3 - 5	90	90	63	79	4,5	28
GX 20		1 - 2	3 - 5						
GX 16	110 x 110	1 - 3	4 - 7	110	110	83	98,4	4,5	38,5
GX 20		1 - 3	4 - 7						
GX 32		1 - 2	3 - 4						
GX 40		1 - 2	3 - 4						

Napomena / Remark

L - niski poklopac, L1 - visoki poklopac (vidi str. 12)

L - low cover, L1 - high cover (see page 12)


56
73
75

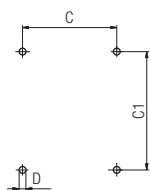
Zaključavanje (1 - 3 lokota) samo u "0" (vidi stranice 21 i 26)

Locking (1 - 3 padlocks) only in "0" (see pages 21 and 26)

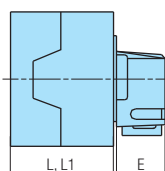
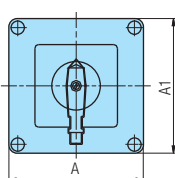
	RUČICA HANDLE	PODLOGA ESCUTCH. PLATE	KUĆIŠTE ENCLOSURE	Y KOD / CODE
56	crna / black	bijela / white	sivo / grey	
	siva / grey	bijela / white	sivo / grey	20
73	crna / black	crna / black	sivo / grey	
75	crvena - žuta / red - yellow	žuta / yellow	sivo / grey	

Serija / Series GN

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	75 x 75	1 - 2	3 - 4	75	75	64	50	4,5	27
GN 20		1 - 2	3 - 4						
GN 25		1	2 - 3						

Plan bušenja / Drilling plan
Stražnji lim / Rear panel

56/73/75



Napomena / Remark

L - niski poklopac, L1 - visoki poklopac (vidi str. 12)

L - low cover, L1 - high cover (see page 12)

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

PLASTIČNO KUĆIŠTE *PLASTIC ENCLOSURE*

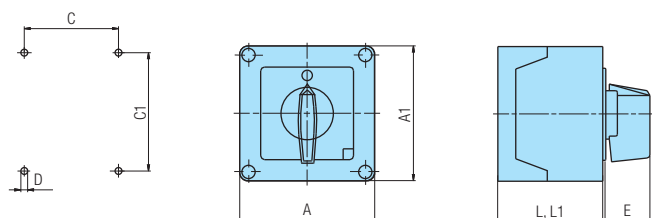


15

Standardno se ugrađuje crvena svjetiljka (230 V), desno dolje.
Mogući naponi 110 i 400 V kao i zelena boja svjetiljke (potrebno definirati).
Na poseban zahtjev ugrađujemo i drugu svjetiljku lijevo dolje.

*In a standard manner, the red lamp (230 V) is built in the right bottom corner.
Possible voltages are 110 and 400 V and green lamp, too (please define).
On special request second lamp can be built in the left bottom corner.*

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Serijska / Series GN

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GN 12	75 x 75	1 - 2	3 - 4	75	75	64	50	4,5	19
GN 20		1 - 2	3 - 4						
GN 25		1	2 - 3						
GN 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	25
GN 20		1 - 3	4 - 6						
GN 25		1 - 2	3 - 4						
GN 32		1 - 2	3 - 4						
GN 40		1	2 - 3						
GN 12	110 x 110	1 - 4	5 - 8	110	110	83	98,4	4,5	32
GN 20		1 - 4	5 - 8						
GN 25		1 - 3	4 - 5						
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 5						
GN 63	125 x 175	1 - 2	3 - 4	125	175	112	146	5,5	32
GN 32		1 - 3	4 - 5						
GN 40		1 - 2	3 - 4						
GN 63		1 - 2	3 - 4						
GN 125		1	2						
GN 125	180 x 254	1 - 2	3 - 4	180	254	120	190	5,5	41,5

Serijska / Series GX

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	E
		L	L1						
GX 12	90 x 90	1 - 3	4 - 6	90	90	63	79	4,5	25
GX 20		1 - 3	4 - 6						
GX 25		1 - 2	3 - 4						
GX 32	110 x 110	1 - 3	4 - 5	110	110	83	98,4	4,5	32
GX 40		1 - 2	3 - 5						

Napomena / Remark

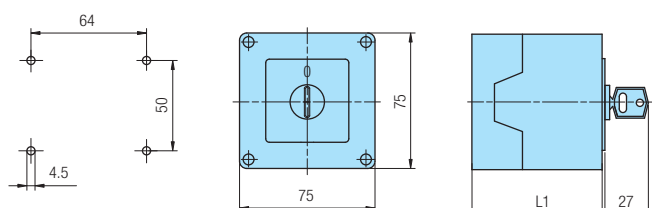
L - niski poklopac, L1 - visoki poklopac (vidi str. 12)
L - low cover, L1 - high cover (see page 12)



30

Zaključavanje odnosno vađenje ključa pod 90°. Moguća 1 - 4 zaključana položaja unutar 360° (potrebno definirati). Zaštita IP42.
Locking and pull-out of the key at 90°. Possible 1 - 4 locked positions within 360° (please define). Protection IP42.

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



Serijska / Series GN

Tip Type	Veličina kućišta Enclosure size	Broj elemenata Number of elements	
		L	L1
GN 12	75 x 75	1 - 2	
GN 20		1 - 2	
GN 25		1	

Napomena / Remark

L1 - visoki poklopac (vidi str. 12)
L1 - high cover (see page 12)

REZERVNI DIJELOVI ACCESSORIES

RUČICE HANDLES

		NARUDŽBENI KOD / ORDERING CODE							
		Veličina / Size							
	Boja / Colour	A0	A1		A2				A3
	siva / grey	R011-6	R111-6	R111-7	R211-6	R211-7	R211-8	R211-9	R311
	crvena / red	R012-6	R112-6	R112-7	R212-6	R212-7	R212-8	R212-9	R312
	crna / black	R014-6	R114-6	R114-7	R214-6	R214-7	R214-8	R214-9	R314
	žuta / yellow	R015-6	R115-6	R115-7	R215-6	R215-7	R215-8	R215-9	R315
	siva / grey		R121-6	R121-7	R221-6	R221-7	R221-8	R221-9	R321
	crvena / red		R122-6	R122-7	R222-6	R222-7	R222-8	R222-9	R322
	crna / black		R124-6	R124-7	R224-6	R224-7	R224-8	R224-9	R324
	žuta / yellow		R125-6	R125-7	R225-6	R225-7	R225-8	R225-9	R325
	siva / grey								R331
	crvena / red								R332
	crna / black								R334
	žuta / yellow								R335

Zadnji broj u kodu ručice (6, 7, 8 ili 9) označava kvadrat osovine na koju se ručica montira (kota □N na mjernoj skici na strani 5).

Last number in ordering code (6, 7, 8 or 9) means the shaft square required for requested handle (dimension □N from dim. drawing on page 5).

■ - standardna ručica za određenu ugradnu veličinu / standard handle for defined mounting size

PREDNJE PLOČE FRONT PLATES



Prednja ploča standardnog oblika. Moguća za sve veličine (A0, A1, A2, A3). Izrađuje se standardno u crnoj boji, a prema narudžbi u sivoj i žutoj. Standardne podloge prednjih ploča vidi na stranicama 63 - 65.

Front plate - standard form. Available at all sizes (A0, A1, A2, A3). In a standard manner it is being produced in black colour; grey and yellow colour available on request. Standard escutcheon plates of front plates see on pages 63 - 65.



Prednja ploča s natpisom. Moguća za sve veličine (A0, A1, A2). Izrađuje se standardno u crnoj boji, a prema narudžbi u sivoj i žutoj. Standardne podloge prednjih ploča vidi na stranicama 63 - 65.

Front plate with title. Available at all sizes (A0, A1, A2). In a standard manner it is being produced in black colour; grey and yellow colour available on request. Standard escutcheon plates of front plates see on pages 63 - 65.

RUČICA SA ZAKLJUČAVANJEM PADLOCKABLE HANDLE



Zaključavanje samo u "0"

Padlocking in "0"

		NARUDŽBENI KOD / ORDERING CODE			
		Veličina / Size			
		A0	A1	A2	
Boja / Colour		□6	□7	□8	□9
crna / black		610264	610607	B93921	B93645
siva / grey		610267	610282	B93922	B93647
crvena - žuta / red - yellow		610382	610386	B93920	B93646

ZAŠTITNA NAVLAKA PROTECTION TUBE

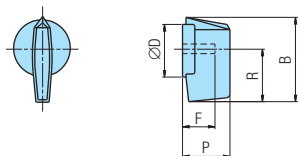


Elastična navlaka. Stupanj zaštite IP42 za GN12, GN20, GN25, GN32, GN40 i GN63.

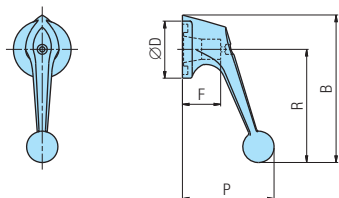
Flexible rubber shroud. Contact degree of protection IP42 for GN12, GN20, GN25, GN32, GN40 and GN63.

REZERVNI DIJELOVI *ACCESSORIES*

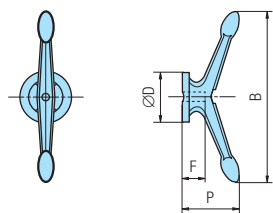
MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)



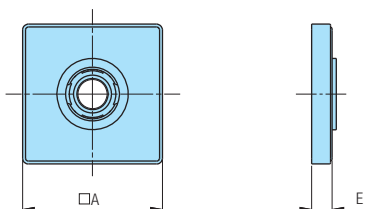
Ugradna veličina Mounting size	Oznaka / Marking				
	B	ØD	F	P	R
A00	24	15	12	14,5	14,5
A0	39,5	27,5	16	19	23,5
A1	53	35	20	25	32
A2	70,5	48	26,5	32	43,5
A3	104	75	39	46,5	63,5



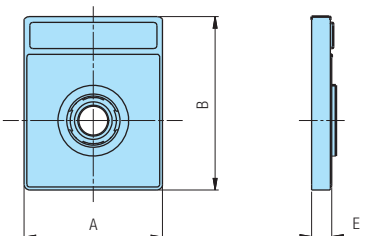
Ugradna veličina Mounting size	Oznaka / Marking				
	B	ØD	F	P	R
A1	81,5	35	23	52	61,5
A2	105,5	48	26,5	65	79,5
A3	155,5	75	28	88	115



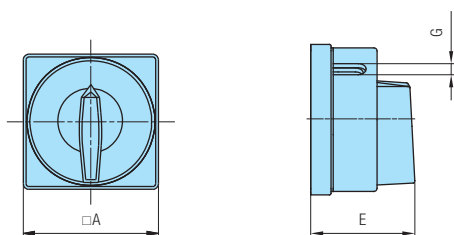
Ugradna veličina Mounting size	Oznaka / Marking			
	B	ØD	F	P
A3	262	75	28	87



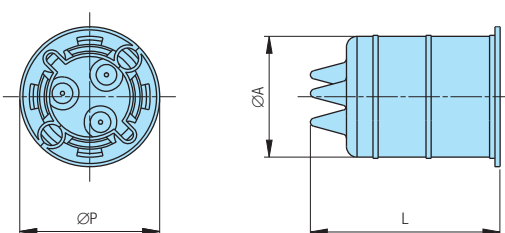
Ugradna veličina Mounting size	Oznaka / Marking	
	□A	E
A00	30	5,5
A0	48	7,5
A1	65	9,5
A2	90	9,5
A3	132	10



Ugradna veličina Mounting size	Oznaka / Marking		
	A	B	E
A00	30	41	6,5
A0	48	60	7,5
A1	65	80,5	9,5
A2	90	110	9,5



Ugradna veličina Mounting size	Oznaka / Marking		
	□A	E	G
A0	48	34,2	5
A1	65	38	6
A2	90	49	8



Tip Type	Br. elemenata No. of elements	ØP	ØA	L	Narudžbeni kod Ordering code
GN12, GN20, GN25	1 - 2	66	57	90	B85913
	3 - 4			115	B85943
	5 - 6			140	B85944
GN32, GN40 GN63	1 - 4 1 - 3	89	87	112,5	B90494

REZERVNI DIJELOVI *ACCESSORIES*

ZAŠTITNA KAPA *PROTECTION COVER*



Tip / Type	Narudžbeni kod Ordering code
GN12	B71289
GN20	B71289
GN25	B93829
GN40	B92919
GN63	B10149
GN125	B90404

Zaštita priključnih stezaljki od slučajnog dodira.

Finger protection shrouds for supplying terminals.



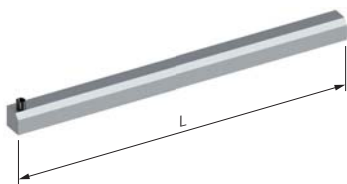
Tip / Type	Narudžbeni kod Ordering code
GN12	611956
GN20	619569
GN25	612522
GN32	602475
GN40	602475

MODUL ZA POSEBNU IZVEDBU "108D" *MODULE FOR OPTIONAL EXTRA "108D"*



Module	Narudžbeni kod Ordering code
108D	B71717

OSOVINA ZA POSEBNU IZVEDBU "102" *SHAFT FOR OPTIONAL EXTRA "102"*



L	Izvedba Option	Narudžbeni kod Ordering code
100	102	B71840
200	102 - 200	B71841

PRODUŽENA OSOVINA ZA POSEBNU IZVEDBU "258" *EXTENDED SHAFT FOR OPTIONAL EXTRA "258"*

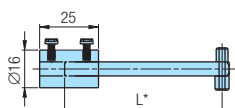


Spojka za vrata s mogućnošću podešavanja dužine osovine.

Za sklopke GF20, GN12, GN20, GN25, GN32, GN40, GN63, GX16, GX20, GX32 i GX40.

Adjustable door - coupling extension shaft.

For switches GF20, GN12, GN20, GN25, GN32, GN40, GN63, GX16, GX20, GX32 and GX40.



L*	Narudžbeni kod Ordering code
70	B85992
150	B85893
200	B85894

* - Dužinu skratiti po potrebi

* - Possible to cut desired length

GUMENA BRTVA *RUBBER GASKET*



Ugradna veličina Mounting size	Narudžbeni kod Ordering code
A00	B90222
A0 (□6)	602773
A1 (□7)	601599
A2 (□9)	B93514

Napomena:

Za ostale kvadratne osovine, na upit.

Remark:

For other shaft squers, on request.

ADAPTER ZA MONTAŽU NA ŠINU 35 EN50022 *ADAPTER FOR MOUNTING ON THE RAIL 35 EN50022*



Tip / Type	Narudžbeni kod Ordering code
GN12 - GN25, GF20	612512
GN32 - GN63	600130

REZERVNI DIJELOVI ACCESSORIES

PODLOGA "N" ESCUTCHEON PLATE "N"

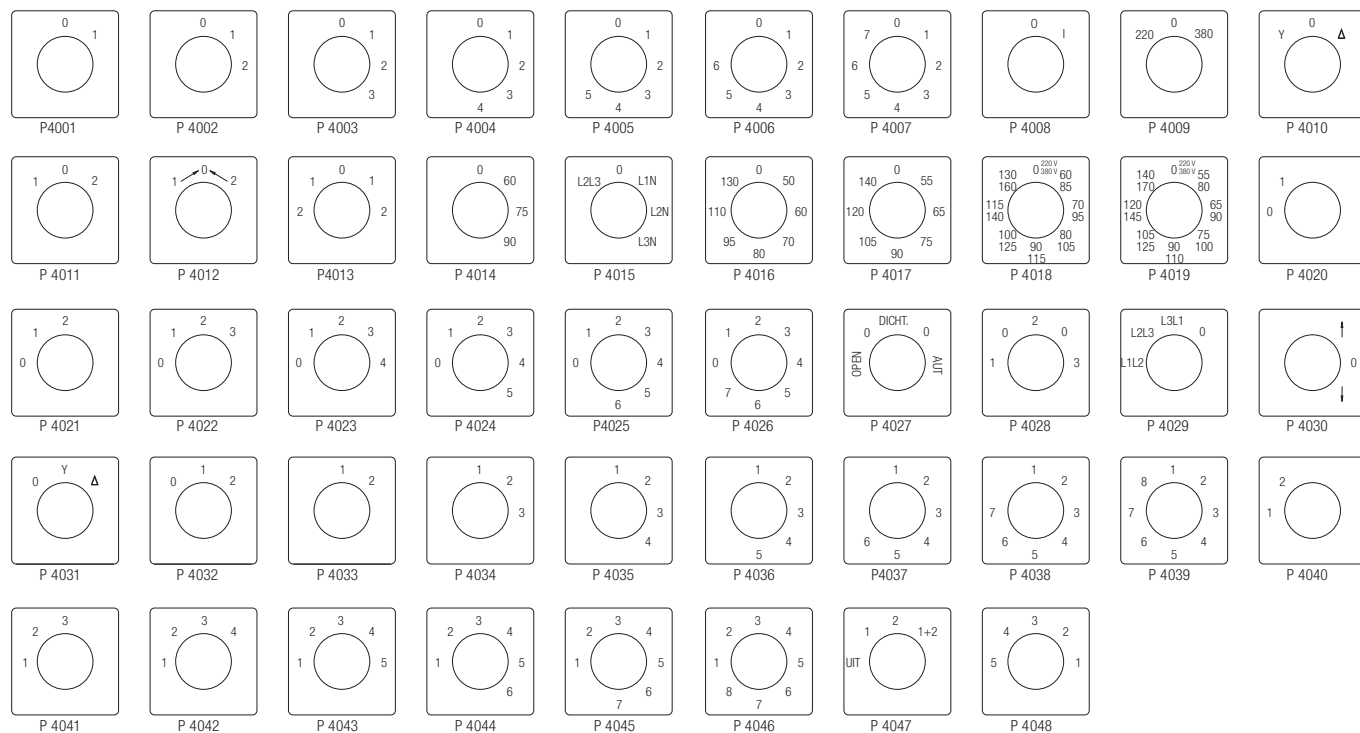
GLAVNA SKLOPKA N 01	MAIN SWITCH N 02	HAUPTSCHALTER N 03	NUŽNO ISKLAPANJE N 04	EMERGENCY OFF N 05	NOT-AUS N 06	VOLTMETAR N 07	VOLTMETER N 08	AMPERMETAR N 09	AMMETER N 10
AMPERMETER N 11	VOLTM.-AMPERM. N 12	VOLTMETER-AMMETER N 13	MOTOR N 14	MOTOR CONTROL N 15	PUMPA N 16	PUMP N 17	PUMPE N 18	GRIJANJE N 19	HEIZUNG N 20
HLADENJE N 21	VENTILATOR N 22	RASVJETA N 23	BIRAČ N 24	WAHLSCHALTER N 25	SELECTOR N 26	REGULACIJA BRZINE N 27	SPEED CONTROL N 28	SINKRONIZACIJA N 29	SYNCHRONIZING N 30
N 31									

PODLOGA ESCUTCHEON PLATE 30° KUT ZAKRETA SWITCHING

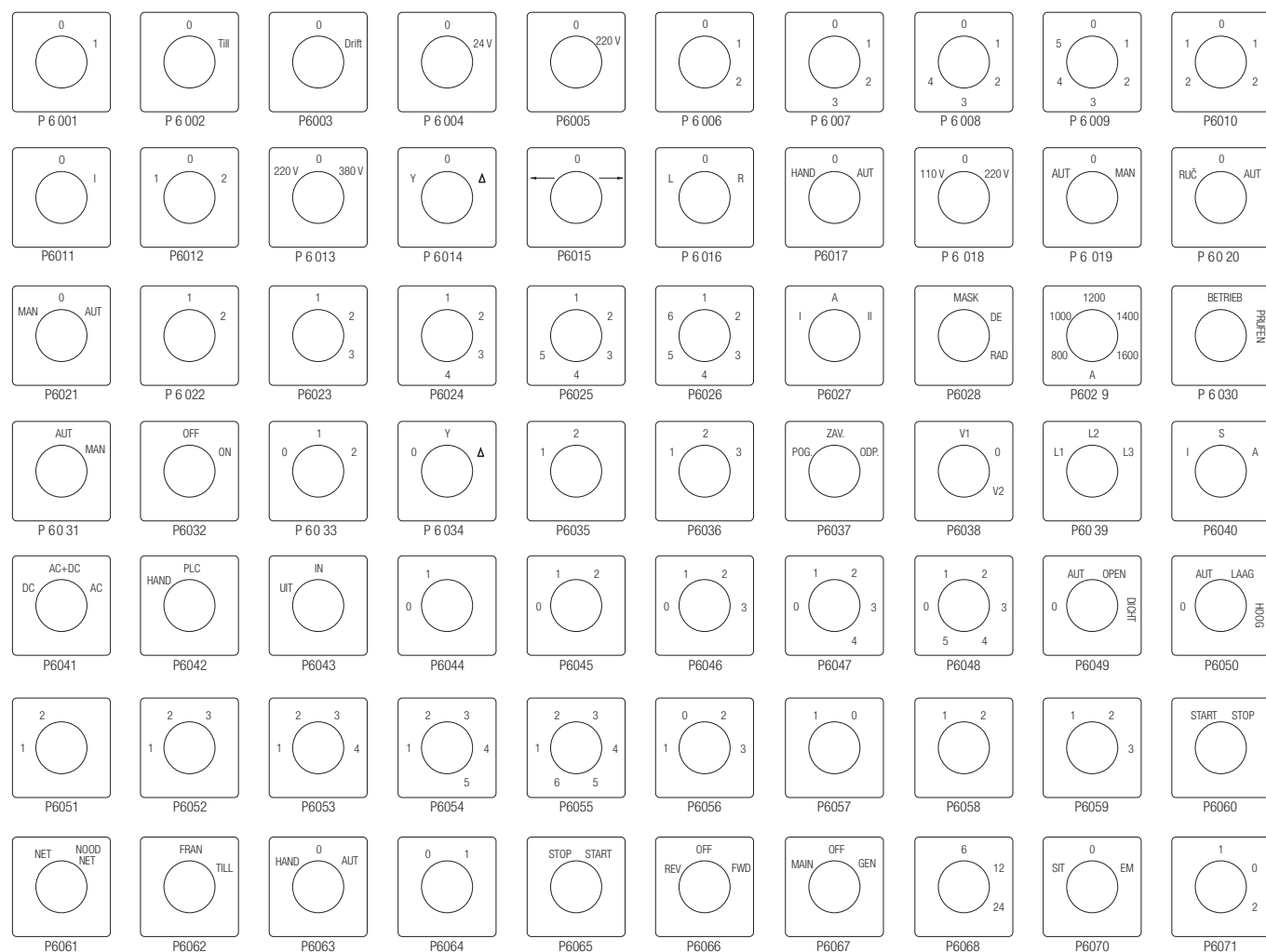
P3001	P3002	P3003	P3004	P3005	P3006	P3007	P3008	P3009	P3010
P3011	P3012	P3013	P3014	P3015	P3016	P3017	P3018	P3019	P3020
P3021	P3022	P3023	P3024	P3025	P3026	P3027	P3028	P3029	P3030
P3032	P3033	P3034	P3035	P3036	P3037	P3038	P3039	P3040	P3041
P3042	P3043	P3044	P3045	P3046	P3047	P3048	P3049	P3050	P3051
P3052	P3053	P3054	P3055	P3056	P3057	P3058	P3059	P3060	P3061
P3062	P3064	P3065	P3066	P3067	P3068	P3069	P3070	P3071	P3072
P3073	P3074	P3075	P3076	P3077	P3078	P3079	P3080	P3081	P3082
P3083	P3084	P3085	P3086	P3087	P3088	P3089	P3090	P3091	P3092
P3093	P3094	P3095	P3096	P3097	P3098	P3099	P3100	P3101	P3102

REZERVNI DIJELOVI *ACCESSORIES*

45° KUT ZAKRETA *SWITCHING*

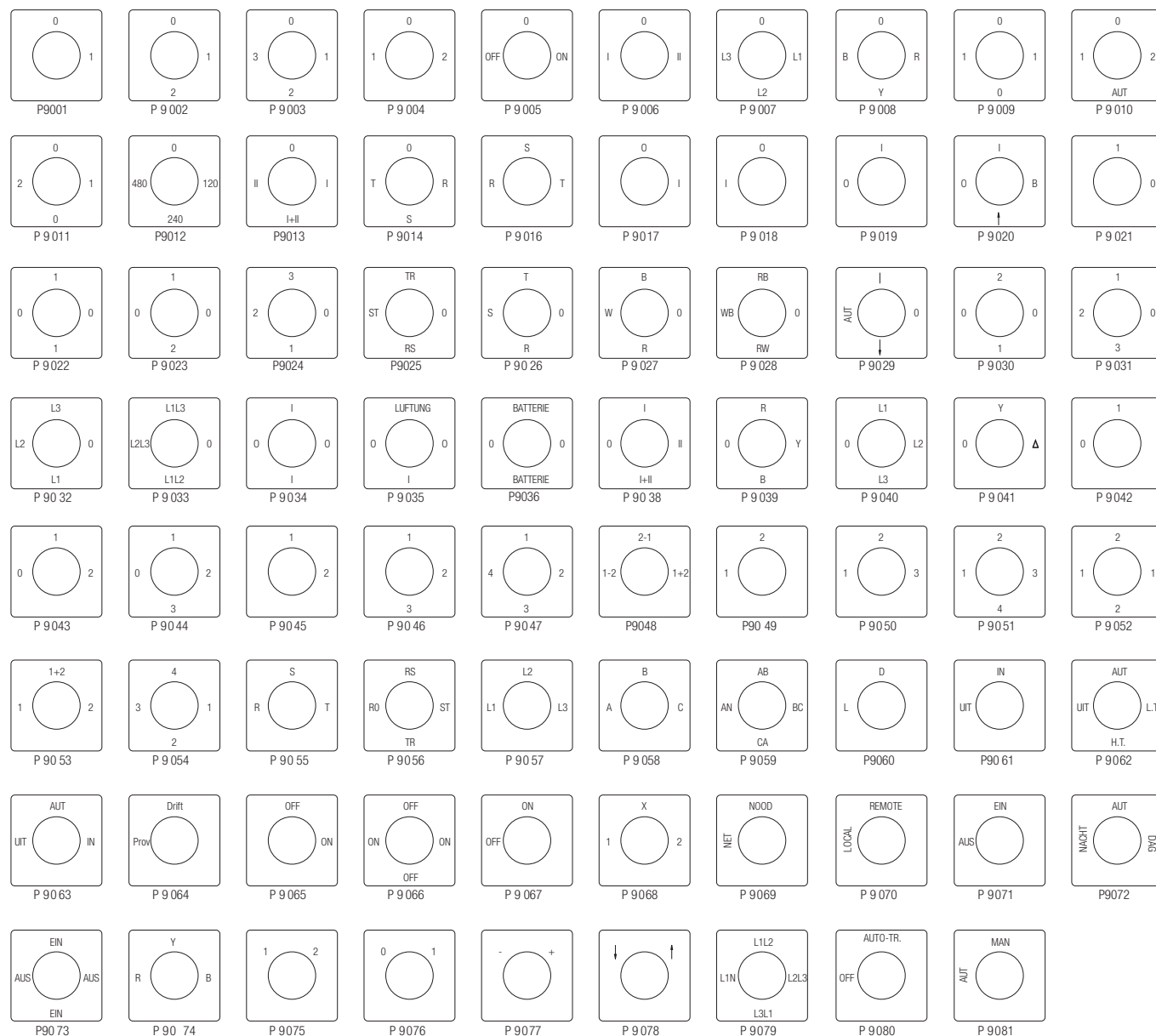


60° KUT ZAKRETA *SWITCHING*

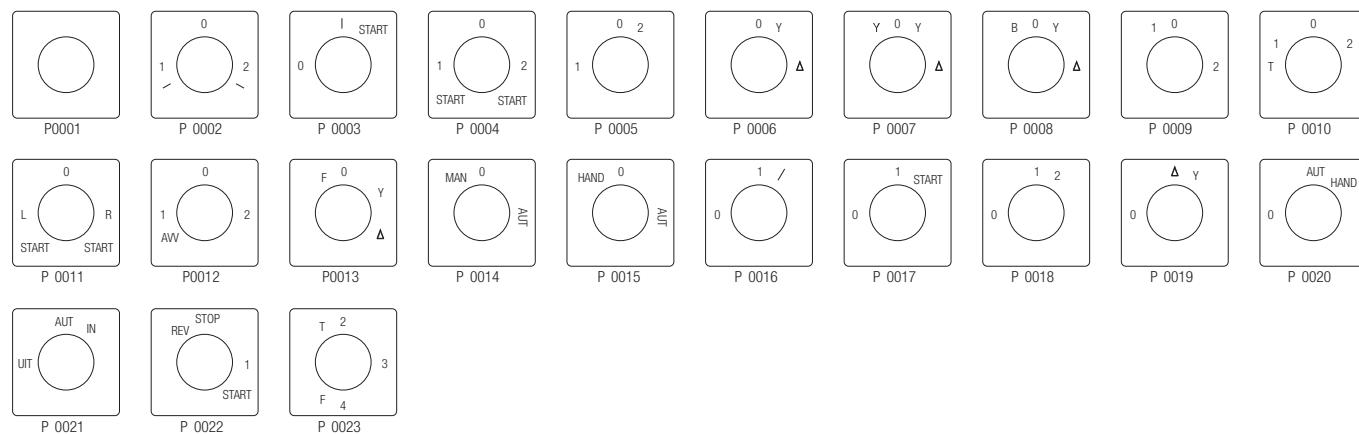


REZERVNI DIJELOVI *ACCESSORIES*

90° KUT ZAKRETA *SWITCHING*



RAZLIČITI KUTEVI ZAKRETA *MISCELLANEOUS SWITCHING*



PREGLED POSEBNIH IZVEDBI PO STRANICAMA *OPTIONAL EXTRAS - REVIEW*

POSEBNA IZVEDBA OPTIONAL EXTRA	Stranica Page	Mogućnost prednje ploče s natpisom Possibility of front plate with title (N)	Mogućnost kombinacije posebnih izvedbi Possible optional extra combinations				
			+39D		+51		
			A0	A1	A0	A1	A2
01	52						
02	37	+			+	+	+
03	55	+	+	+	+	+	
04	56	+		+		+	+
05	24	+					
06	25	+	+	+	+	+	+
06D	27						
07	41	+			+	+	+
08	41	+			+	+	+
09	28						
10	31						
11	28						
12	31						
13	24	+					
15	47	+	+	+			
16	36	+					
17	36	+					
18	49	+			+	+	
19	54	+	+	+	+	+	
20	30						
21	22	+					
22	22	+					
23	19	+	+	+	+	+	
24	18	+	+	+	+	+	+
25	19	+	+	+	+	+	
26	36	+					
27	36	+					
28	48	+	+	+	+	+	+
29	31						
29D	32						
29K	32						
29S	33						
29P	33						
30	31						
31	52				+	+	+
33	56		+	+	+	+	+
34	51	+				+	
36	28						
37	28						
38D	50						
38T	50						
39D	50	+			+	+	
39T	50				+	+	
40	49	+			+	+	+
41	35						
41D	34						
41K	34						

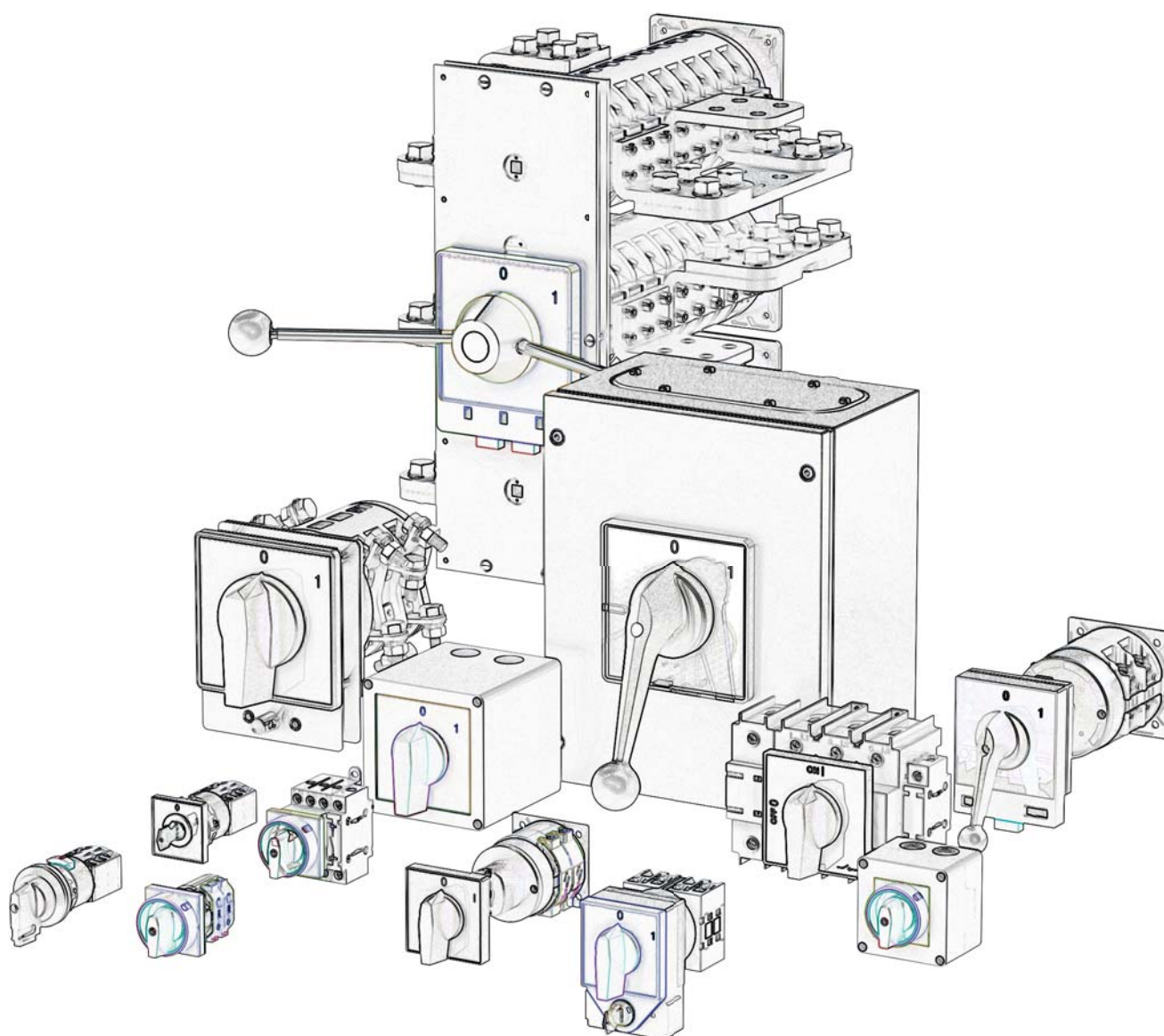
POSEBNA IZVEDBA OPTIONAL EXTRA	Stranica Page	Mogućnost prednje ploče s natpisom Possibility of front plate with title (N)	Mogućnost kombinacije posebnih izvedbi Possible optional extra combinations				
			+39D		+51		
			A0	A1	A0	A1	A2
42	35						
43	55	+	+	+	+	+	
46	29						
47	29						
48	46						
48D	46						
49	46						
51	53	+	+	+			
53	57	+	+		+	+	
53D	57	+	+		+	+	
56	26	+	+		+		
57	40	+	+	+	+	+	
58	40	+			+	+	
58D	40	+			+	+	
61	22	+					
62	22	+					
63	20	+	+	+	+	+	+
63D	20						
65	20	+	+	+	+	+	+
65D	20						
66	29						
67	29						
68	42	+	+	+	+	+	
69	54	+	+	+	+	+	+
71	35						
72	35						
73	21	+	+		+		
75	21	+	+		+		
76	30						
77	30						
78	42	+	+	+	+	+	
79	42	+			+	+	+
84	41	+	+	+	+	+	
85	43	+	+		+		
86	44	+	+		+		
87	43	+	+	+	+	+	
88	45	+	+	+	+	+	
93	23	+	+		+		
95	23	+	+		+		
96	44	+	+		+		
98	45	+	+	+	+	+	
99	23	+				+	+
102	39	+			+	+	
108D	38	+			+	+	
258	39	+	+	+	+	+	

39D - montaža sklopke s 2 vijka / switch mounting with 2 screws
 51 - stupanj zaštite IP65 / protection degree IP65

 - sadržano u toj posebnoj izvedbi / included in this optional extra

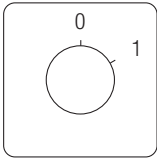
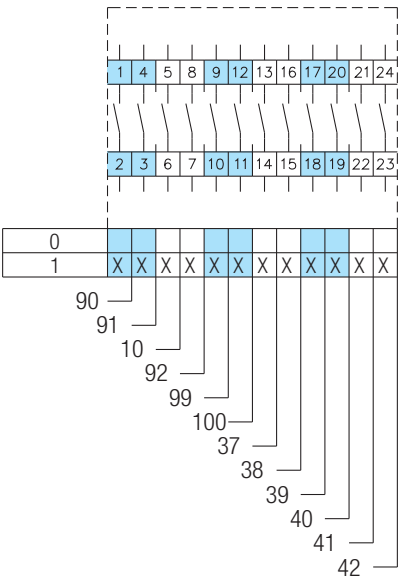
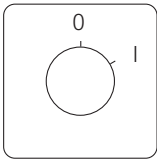
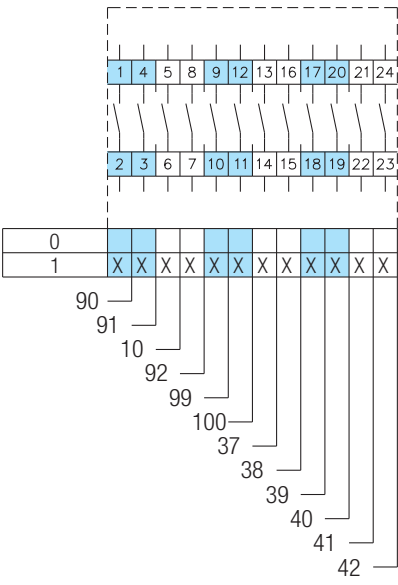
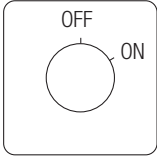
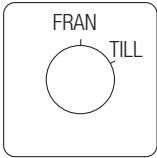
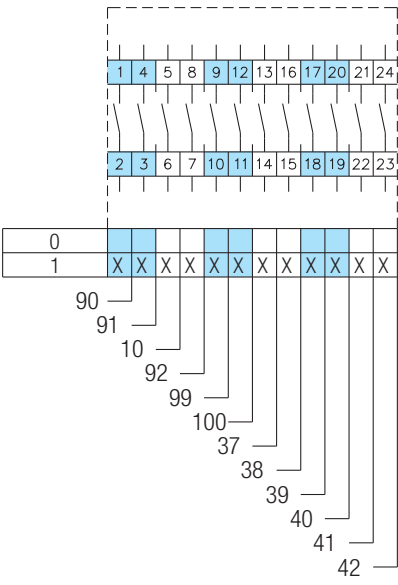
* Samo za veličinu A0 i GX A1 / Only for size A0 and GX A1

Dijagrami sklapanja *Switching diagrams*



SKLOPKE S KUTOM ZAKRETA 60° SWITCHES WITH 60° SWITCHING	70
SKLOPKE S KUTOM ZAKRETA 90° SWITCHES WITH 90° SWITCHING	71
SKLOPKE S POVRATOM - KUT ZAKRETA 30° SWITCHES SPRING RETURN WITH 30° SWITCHING	72
PREKLOPKE S "0" POLOŽAJEM CHANGEOVER SWITCHES WITH "0"	73
PREKLOPKE BEZ "0" POLOŽAJA CHANGEOVER SWITCHES WITHOUT "0"	74
STEPENASTE SKLOPKE BEZ "0" POLOŽAJA MULTI-STEP SWITCHES WITHOUT "0"	74
STEPENASTE SKLOPKE S "0" POLOŽAJEM MULTI-STEP SWITCHES WITH "0"	78
GRUPNE SKLOPKE GANG SWITCHES	85
VOLTMETARSKE SKLOPKE VOLTMETER SWITCHES	88
AMPERMETARSKE SKLOPKE AMMETER SWITCHES	90
VOLTMETAR - AMPERMETARSKE SKLOPKE VOLTMETER - AMMETER SWITCHES	92
UPRAVLJAČKE SKLOPKE (s povratom) CONTROL SWITCHES (with spring return)	95
MOTORSKE REVERZIBILNE SKLOPKE MOTOR REVERSING SWITCHES	97
ZVIJEZDA - TROKUT SKLOPKE STAR - DELTA SWITCHES	99
SKLOPKE ZA UPRAVLJANJE MOTORIMA (Dahlander) MOTOR CONTROL SWITCHES (Dahlander)	102
SKLOPKE ZA UPRAVLJANJE MOTORIMA (Odvojeni namoti) MOTOR CONTROL SWITCHES (Separate windings)	104
SKLOPKE ZA UPRAVLJANJE TROBRZINSKIM MOTORIMA SWITCHES FOR 3-SPEED MOTOR CONTROL	106
SKLOPKE ZA POKRETANJE JEDNOFAZNIH MOTORA START AND RUN SWITCHES	108
SKLOPKE SERIJE G/4G SWITCHES SERIES G/4G	110

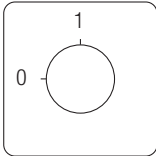
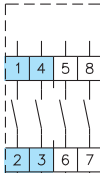
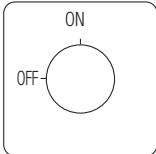
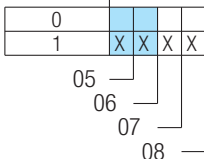
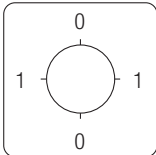
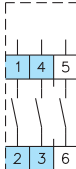
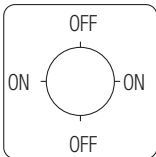
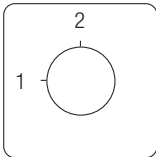
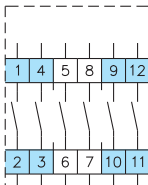
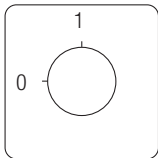
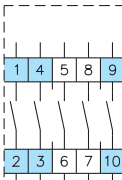
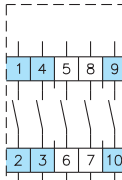
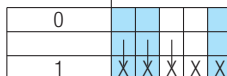
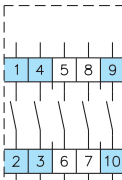
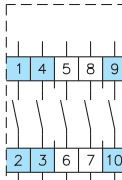
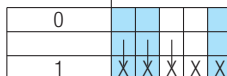
SKLOPKE S KUTOM ZAKRETA 60° SWITCHES WITH 60° SWITCHING

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	 P6001	90	1	
2 polna 2 pole		91	1	
3 polna 3 pole		10	2	
4 polna 4 pole		92	2	
5 polna 5 pole		99	3	
6 polna 6 pole		100	3	
7 polna 7 pole		37	4	
8 polna 8 pole		38	4	
9 polna 9 pole		39	5	
10 polna 10 pole		40	5	
11 polna 11 pole		41	6	
12 polna 12 pole		42	6	
1 polna 1 pole	 P6011	C90	1	
2 polna 2 pole		C91	1	
3 polna 3 pole		C10	2	
4 polna 4 pole		C92	2	
1 polna 1 pole	 P6032	D90	1	
2 polna 2 pole		D91	1	
3 polna 3 pole		D10	2	
4 polna 4 pole		D92	2	
5 polna 5 pole		D99	3	
6 polna 6 pole		D100	3	
1 polna 1 pole	 P6062	E90	1	
2 polna 2 pole		E91	1	
3 polna 3 pole		E10	2	
4 polna 4 pole		E92	2	
5 polna 5 pole		E99	3	
6 polna 6 pole		E100	3	

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

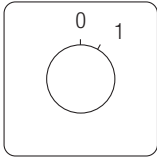
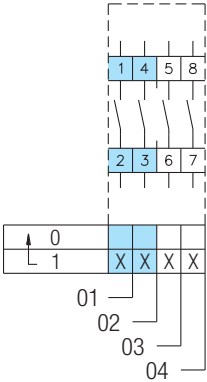
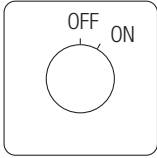
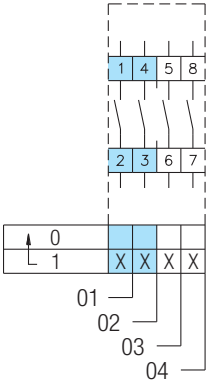
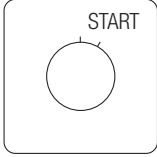
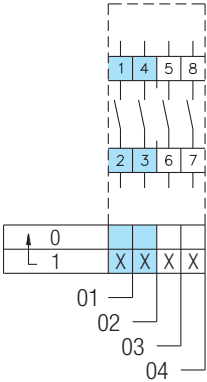
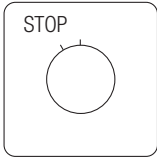
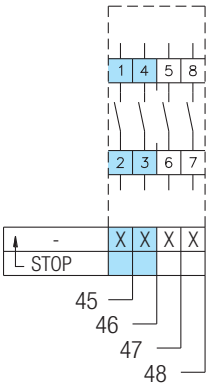
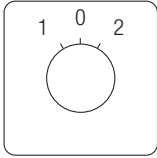
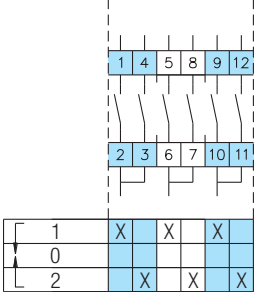
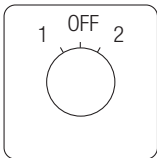
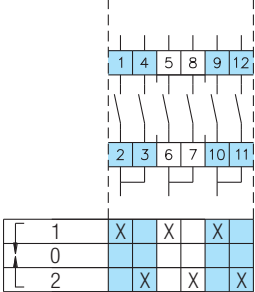
SKLOPKE S KUTOM ZAKRETA 90° SWITCHES WITH 90° SWITCHING

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram	
1 polna 1 pole		05	1		
2 polna 2 pole		06	1		
3 polna 3 pole		07	2		
4 polna 4 pole		08	2		
1 polna 1 pole		C05	1		
2 polna 2 pole		C06	1		
3 polna 3 pole		C07	2		
4 polna 4 pole		C08	2		
3 polna (rotacija 360°) 3 pole (360° rotation)		09	2		
3 polna (rotacija 360°) 3 pole (360° rotation)		C09	2		
3 polna strujna preklopka 3 pole current change over switch		57	3	 	
4 polna 1 pol prethodi 4 pole 1 pole preclose		275	2	 	 
5 polna 2 pola prethode 5 pole 2 pole preclose		277	3		
1 polna raniji uklop 1 pole early make		270	1		
2 polna raniji uklop 2 pole early make		271	1		
3 polna raniji uklop 3 pole early make		63	2		
4 polna 3 pola prethode 4 pole 3 pole preclose		276	2		
5 polna 3 pola prethode 5 pole 3 pole preclose		278	3	 	 

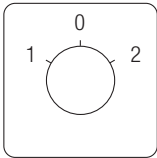
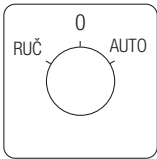
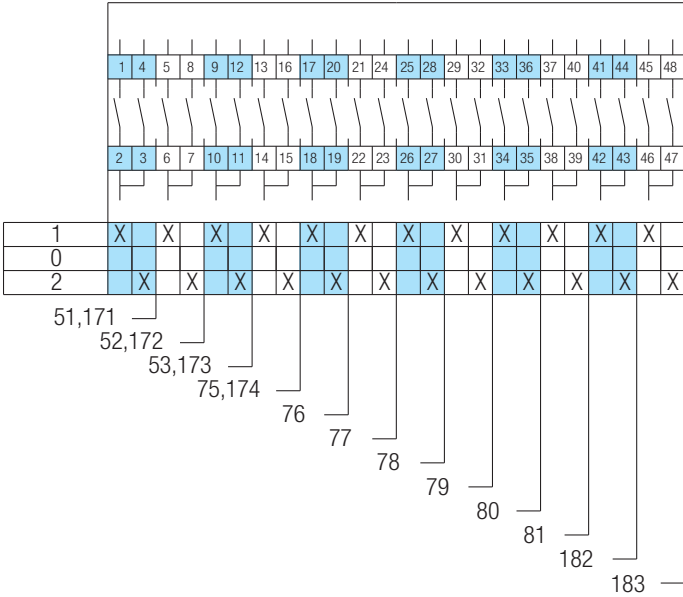
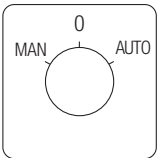
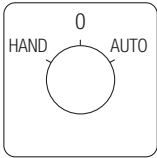
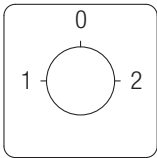
* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

SKLOPKE S POVRATOM - KUT ZAKRETA 30° SWITCHES SPRING RETURN WITH 30° SWITCHING

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram
1 polna 1 pole	 P3001	01	1	
2 polna 2 pole		02	1	
3 polna 3 pole		03	2	
4 polna 4 pole		04	2	
1 polna 1 pole	 P3045	C01	1	
2 polna 2 pole		C02	1	
3 polna 3 pole		C03	2	
4 polna 4 pole		C04	2	
1 polna 1 pole	 P3101	D01	1	
2 polna 2 pole		D02	1	
3 polna 3 pole		D03	2	
4 polna 4 pole		D04	2	
1 polna 1 pole	 P3102	45	1	
2 polna 2 pole		46	1	
3 polna 3 pole		47	2	
4 polna 4 pole		48	2	
1 polna 1 pole	s povratom u "0" with spring return to "0"  P3021	201	1	
2 polna 2 pole		202	2	
3 polna 3 pole		203	3	
1 polna 1 pole	s povratom u "0" with spring return to "0"  P3071	C201	1	
2 polna 2 pole		C202	2	
3 polna 3 pole		C203	3	

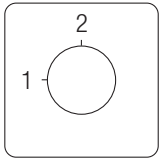
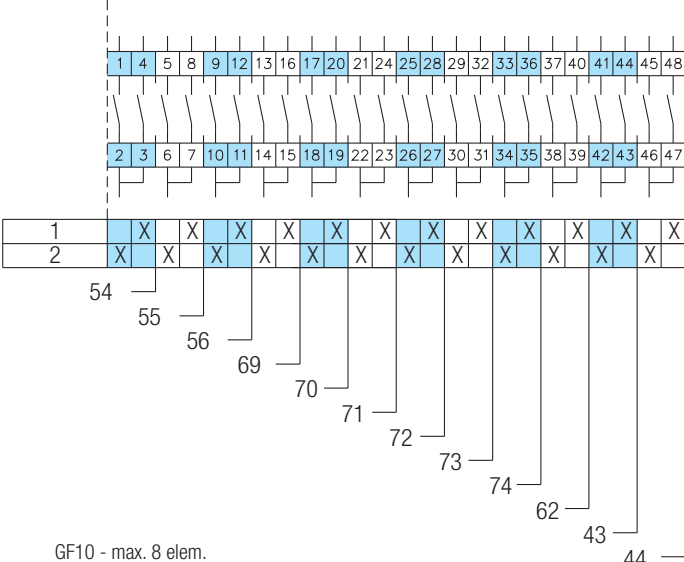
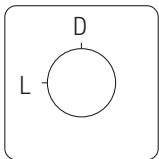
PREKLOPKE S "0" POLOŽAJEM *CHANGEOVER SWITCHES WITH "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	 P6012	51	1	
2 polna 2 pole		52	2	
3 polna 3 pole		53	3	
4 polna 4 pole		75	4	
5 polna 5 pole		76	5	
6 polna 6 pole		77	6	
7 polna 7 pole		78	7	
8 polna 8 pole		79	8	
9 polna 9 pole		80	9	
10 polna 10 pole		81	10	
11 polna 11 pole		182	11	
12 polna 12 pole		183	12	
1 polna 1 pole	 P6020	C51	1	
2 polna 2 pole		C52	2	
3 polna 3 pole		C53	3	
4 polna 4 pole		C75	4	
5 polna 5 pole		C76	5	
6 polna 6 pole		C77	6	
1 polna 1 pole	 P6021	D51	1	
2 polna 2 pole		D52	2	
3 polna 3 pole		D53	3	
4 polna 4 pole		D75	4	
5 polna 5 pole		D76	5	
6 polna 6 pole		D77	6	
1 polna 1 pole	 P6063	E51	1	
2 polna 2 pole		E52	2	
3 polna 3 pole		E53	3	
4 polna 4 pole		E75	4	
5 polna 5 pole		E76	5	
6 polna 6 pole		E77	6	
1 polna 1 pole	 P9004	171	1	
2 polna 2 pole		172	2	
3 polna 3 pole		173	3	
4 polna 4 pole		174	4	

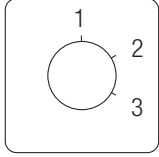
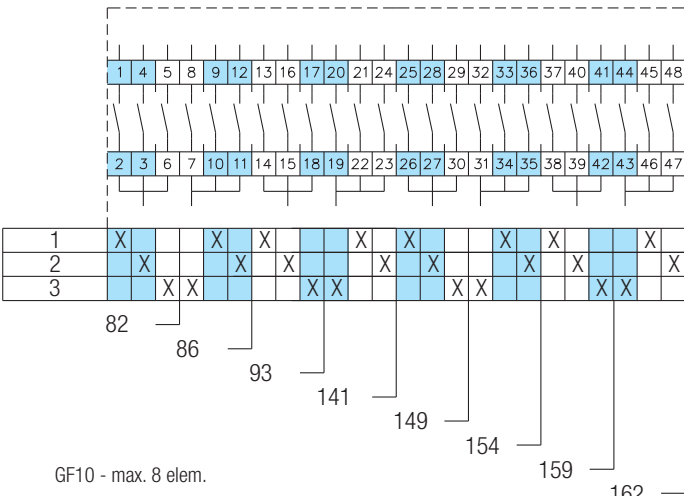
* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

PREKLOPKE BEZ "0" POLOŽAJA *CHANGEOVER SWITCHES WITHOUT "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	 P9049	54	1	 GF10 - max. 8 elem.
2 polna 2 pole		55	2	
3 polna 3 pole		56	3	
4 polna 4 pole		69	4	
5 polna 5 pole		70	5	
6 polna 6 pole		71	6	
7 polna 7 pole		72	7	
8 polna 8 pole		73	8	
9 polna 9 pole		74	9	
10 polna 10 pole		62	10	
11 polna 11 pole		43	11	
12 polna 12 pole		44	12	
1 polna 1 pole	 P9060	C54	1	
2 polna 2 pole		C55	2	
3 polna 3 pole		C56	3	
4 polna 4 pole		C69	4	

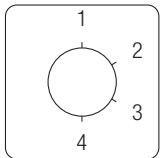
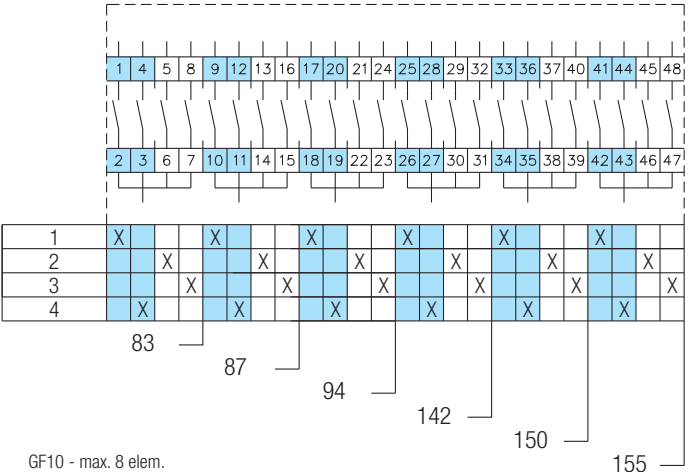
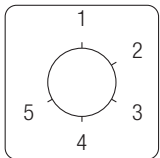
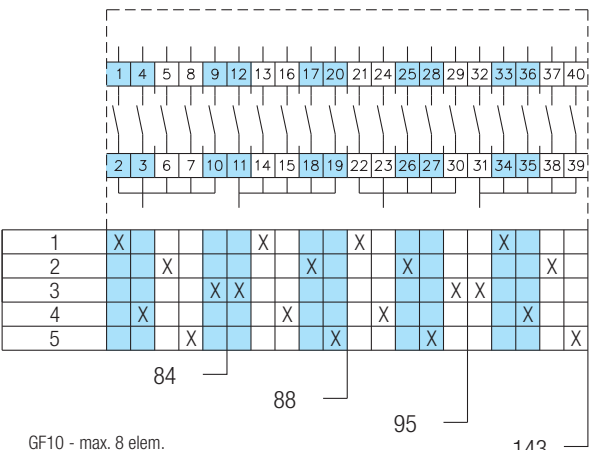
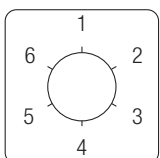
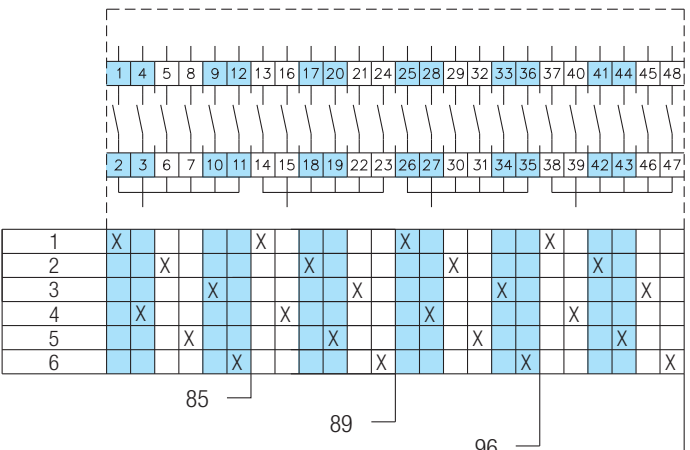
STEPENASTE SKLOPKE BEZ "0" POLOŽAJA *MULTI-STEP SWITCHES WITHOUT "0"*

1 polna 1 pole	3 položaja 3 positions  P6023	82	2	 GF10 - max. 8 elem.
2 polna 2 pole		86	3	
3 polna 3 pole		93	5	
4 polna 4 pole		141	6	
5 polna 5 pole		149	8	
6 polna 6 pole		154	9	
7 polna 7 pole		159	11	
8 polna 8 pole		162	12	

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE BEZ "0" POLOŽAJA *MULTI-STEP SWITCHES WITHOUT "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole 2 polna 2 pole 3 polna 3 pole 4 polna 4 pole 5 polna 5 pole 6 polna 6 pole	4 položaja 4 positions  P6024	83 87 94 142 150 155	2 4 6 8 10 12	 GF10 - max. 8 elem.
1 polna 1 pole 2 polna 2 pole 3 polna 3 pole 4 polna 4 pole	5 položaja 5 positions  P6025	84 88 95 143	3 5 8 10	 GF10 - max. 8 elem.
1 polna 1 pole 2 polna 2 pole 3 polna 3 pole 4 polna 4 pole	6 položaja 6 positions  P6026	85 89 96 144	3 6 9 12	 GF10 - max. 8 elem.

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE BEZ "0" POLOŽAJA *MULTI-STEP SWITCHES WITHOUT "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole 2 polna 2 pole 3 polna 3 pole	za / for GN125 P4038 P3078	101 117 133	4 7 11	 GF10 - max. 8 elem.
1 polna 1 pole 2 polna 2 pole 3 polna 3 pole	za / for GN125 P4039 P3079	102 118 134	4 8 12	 GF10 - max. 8 elem.
1 polna 1 pole 2 polna 2 pole	 P3080	103 119	5 9	 GF10 - max. 8 elem.

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE BEZ "0" POLOŽAJA *MULTI-STEP SWITCHES WITHOUT "0"*

Funkcija
Function

Podloga
Escutcheon plate

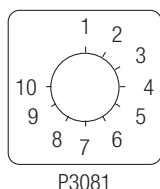
Kod
Code

Br. elem.*
No. of elem.*

Dijagram
Diagram

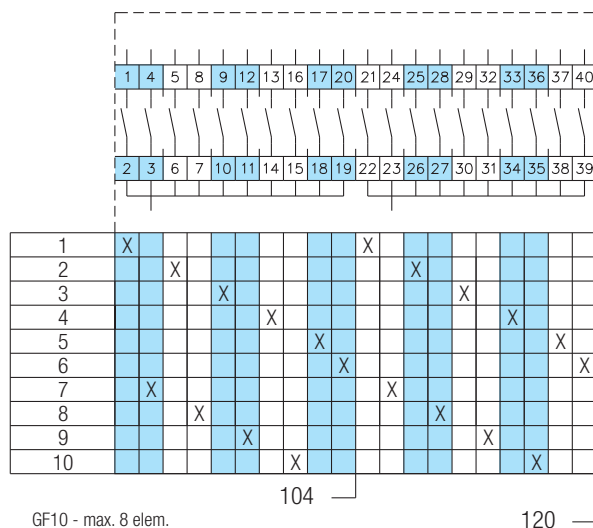
1 polna
1 pole
2 polna
2 pole

10 položaja
10 positions



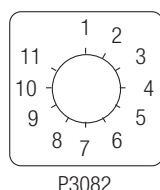
104
120

5
10



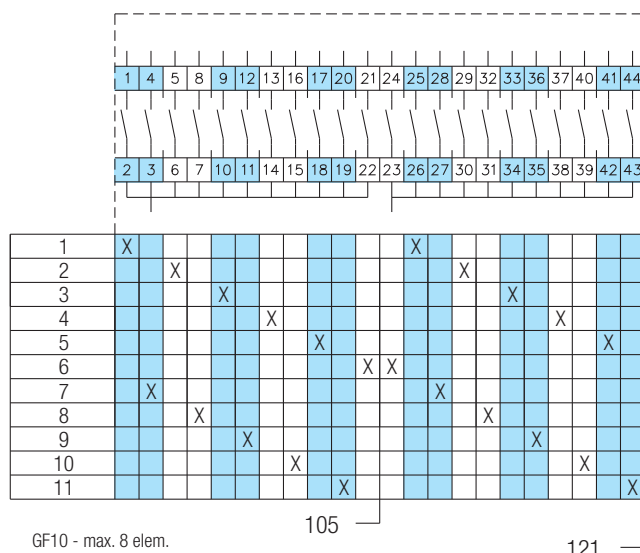
1 polna
1 pole
2 polna
2 pole

11 položaja
11 positions



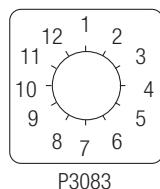
105
121

6
11



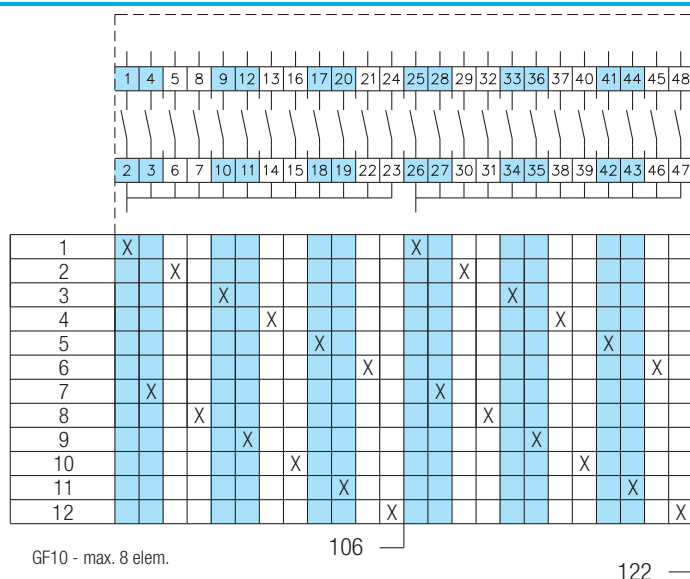
1 polna
1 pole
2 polna
2 pole

12 položaja
12 positions



106
122

6
12



* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

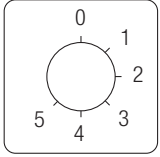
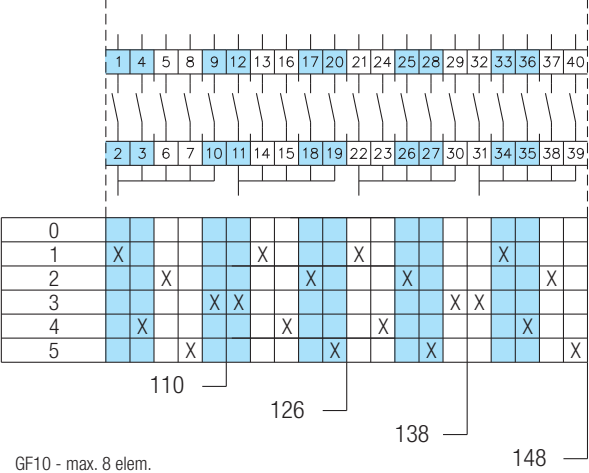
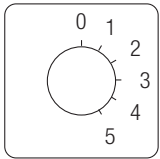
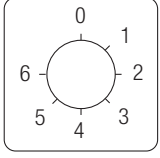
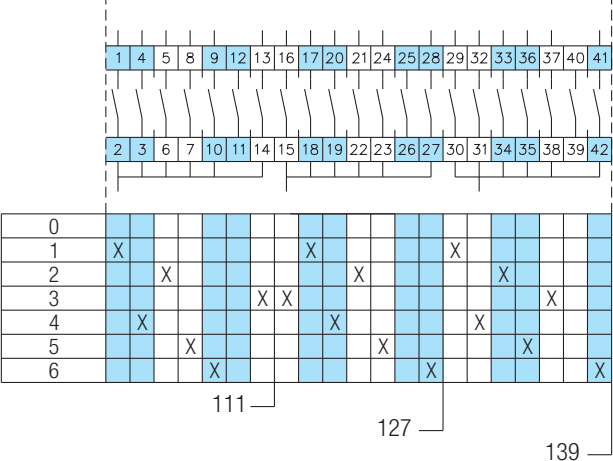
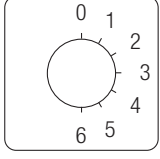
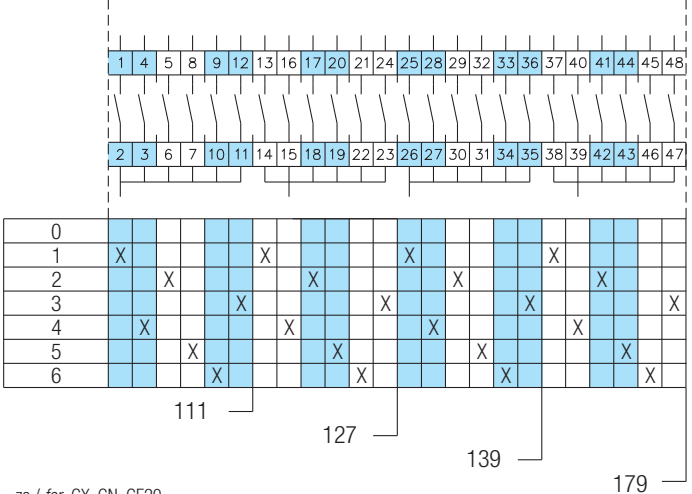
STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	2 položaja 2 positions	107	1	
2 polna 2 pole		123	2	
3 polna 3 pole		135	3	
4 polna 4 pole		145	4	
5 polna 5 pole		151	5	
6 polna 6 pole		156	6	
7 polna 7 pole		160	7	
8 polna 8 pole		163	8	
9 polna 9 pole		175	9	
10 polna 10 pole		176	10	
11 polna 11 pole		177	11	
12 polna 12 pole		178	12	
	 P6006			GF10 - max. 8 elem.
1 polna 1 pole	3 položaja 3 positions	108	2	
2 polna 2 pole		124	3	
3 polna 3 pole		136	5	
4 polna 4 pole		146	6	
5 polna 5 pole		152	8	
6 polna 6 pole		157	9	
7 polna 7 pole		161	11	
8 polna 8 pole		164	12	
	za / for GN125 P4003 za / for GF, GX, 4G GN12 - GN63 P3003			GF10 - max. 8 elem.
1 polna 1 pole	4 položaja 4 positions	109	2	
2 polna 2 pole		125	4	
3 polna 3 pole		137	6	
4 polna 4 pole		147	8	
5 polna 5 pole		153	10	
6 polna 6 pole		158	12	
	za / for GN125 P4004 za / for GF, GX, 4G GN12 - GN63 P3004			GF10 - max. 8 elem.

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

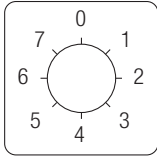
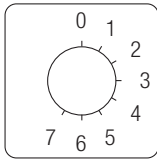
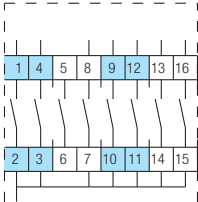
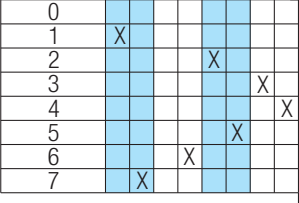
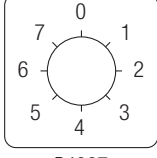
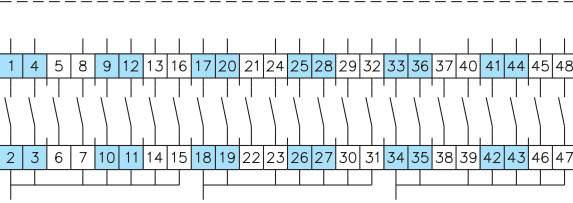
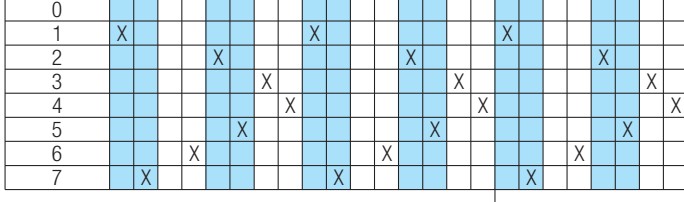
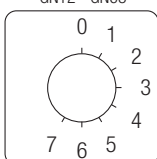
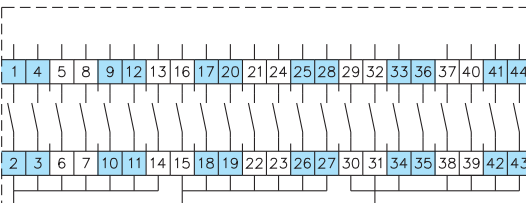
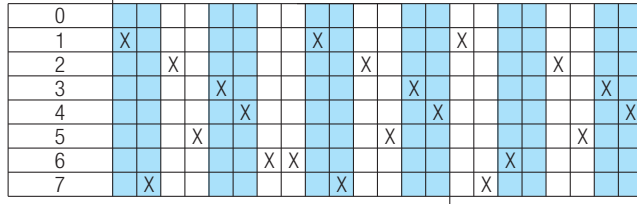
STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	za / for GN125  P4005	110	3	 GF10 - max. 8 elem.
2 polna 2 pole		126	5	
3 polna 3 pole	za / for GF, GX, 4G GN12 - GN63  P3005	138	8	
4 polna 4 pole		148	10	
1 polna 1 pole	za / for GN125  P4006	111	4	 za / for G/4G, GF10 GF10 - max. 8 elem.
2 polna 2 pole		127	7	
3 polna 3 pole		139	11	
4 polna 4 pole	za / for GF, GX, 4G GN12 - GN63  P3006	111	3	 za / for GX, GN, GF20
		127	6	
		139	9	
		179	12	

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem.* No. of elem.*	Dijagram Diagram
1 polna 1 pole	za / for GN125  P4007 za / for GF, GX, G/4G GN12 - GN63  P3007	112	4	  112
2 polna 2 pole	za / for GN125  P4007	128 140	8 12	  za / for G/4G, GF10 GF10 - max. 8 elem. 128 140
3 polna 3 pole	za / for GF, GX, G/4G GN12 - GN63  P3007	128 140	7 11	  za / for GX, GN, GF20 128 140

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

Br. elem.*
No. of elem.*

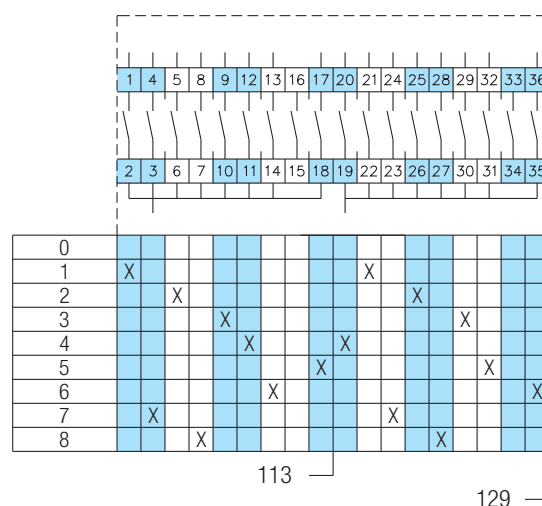
Dijagram
Diagram

113

5

129

9

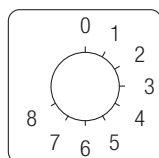


za / for G/4G, GF10

GF10 - max. 8 elem.

1 polna
1 pole
2 polna
2 pole
3 polna
3 pole

8 položaja
8 positions



P3008

113

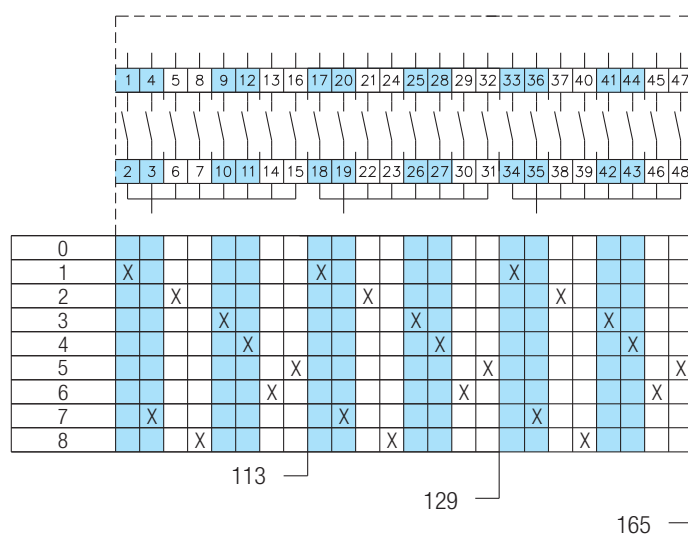
4

129

8

165

12



za / for GX, GN, GF20

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija
Function

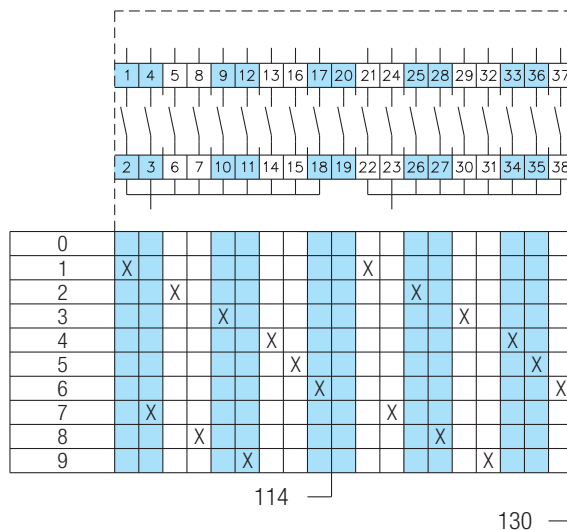
Podloga
Escutcheon plate

Kod
Code

Br. elem.*
No. of elem.*

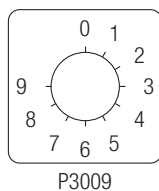
Dijagram
Diagram

114 5
130** 10



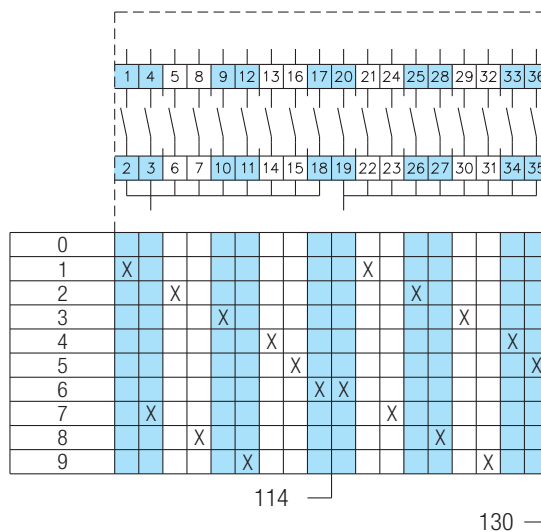
** za / for G/4G, GF10
GF10 - max. 8 elem.

1 polna
1 pole
2 polna
2 pole



P3009

114 5
130 9



za / for GX, GN, GF20

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija
Function

Podloga
Escutcheon plate

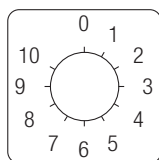
Kod
Code

Br. elem.*
No. of elem.*

Dijagram
Diagram

1 polna
1 pole
2 polna
2 pole

10 položaja
10 positions



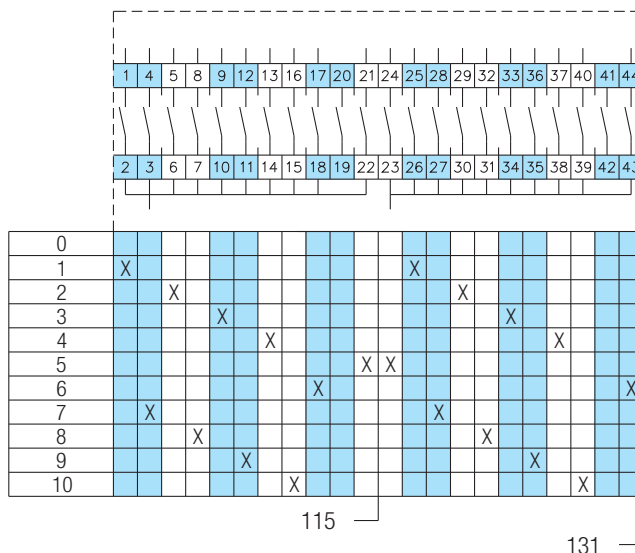
P3010

115

6

131

11



za / for G/4G, GF10

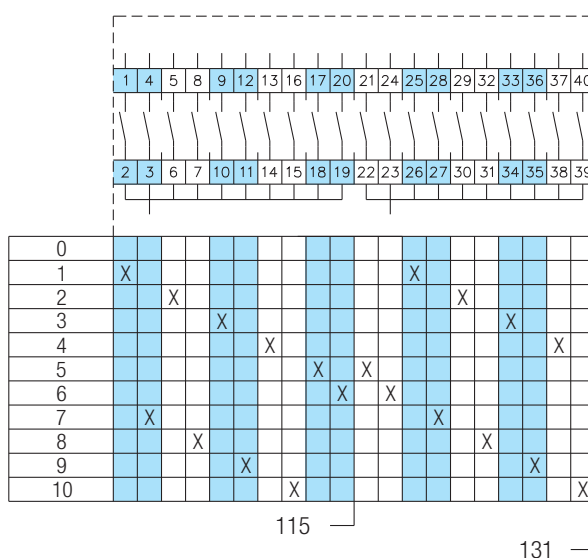
GF10 - max. 8 elem.

115

5

131

10



za / for GX, GN, GF20

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

STEPENASTE SKLOPKE S "0" POLOŽAJEM *MULTI-STEP SWITCHES WITH "0"*

Funkcija
Function

Podloga
Escutcheon plate

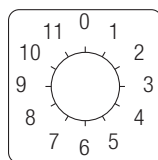
Kod
Code

Br. elem.*
No. of elem.*

Dijagram
Diagram

1 polna
1 pole
2 polna
2 pole

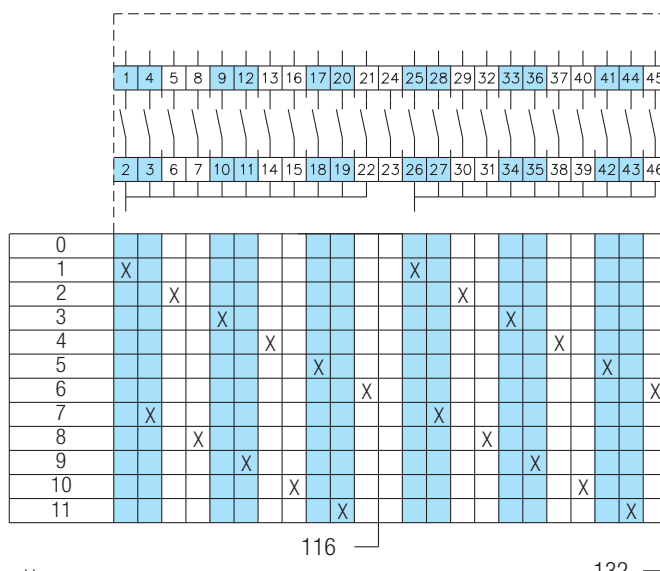
11 položaja
11 positions



P3011

116
132**

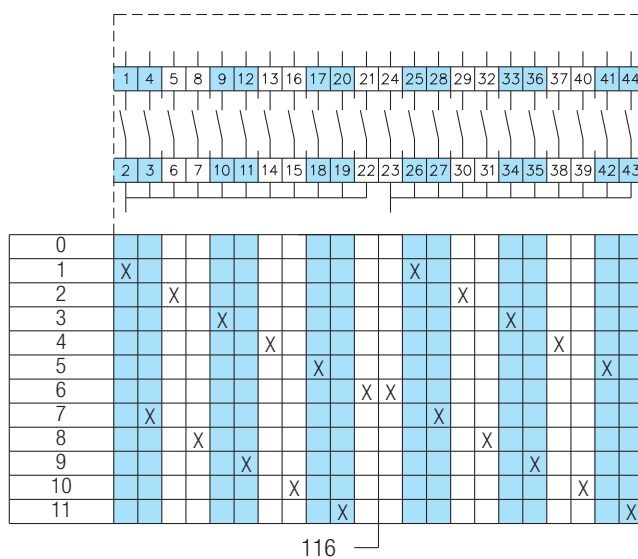
6
12



** za / for G/4G, GF10
GF10 - max. 8 elem.

116
132

6
11

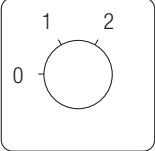
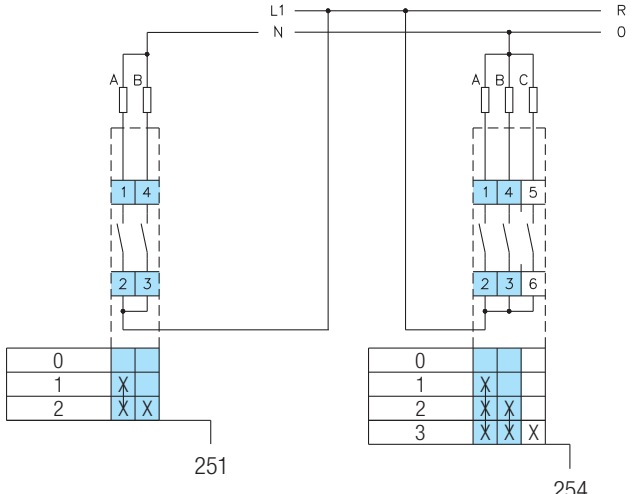
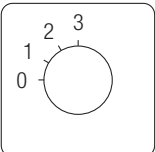
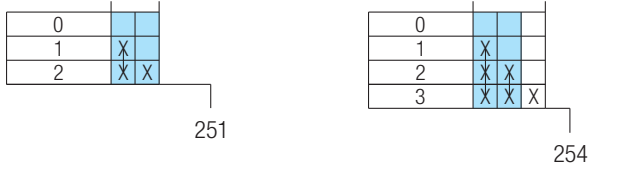
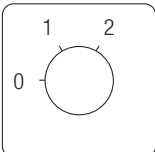
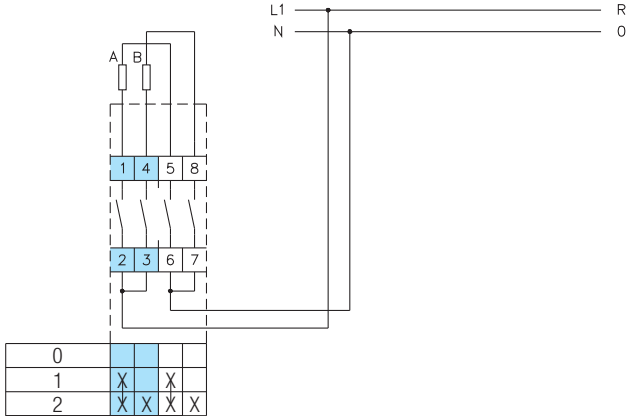
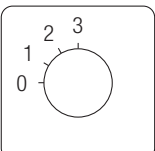
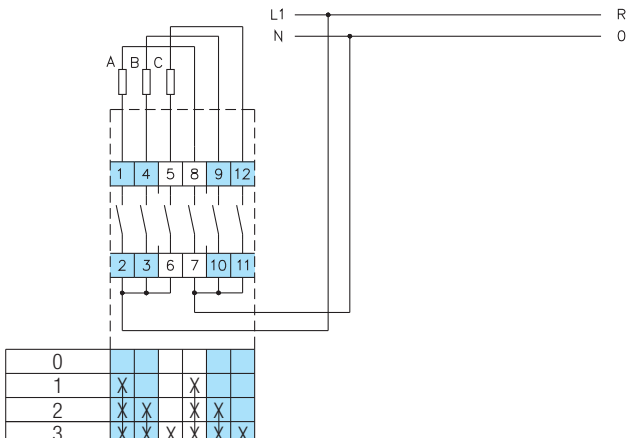


za / for GX, GN, GF20

* broj elemenata sklopki G/4G - vidi stranice 110 - 111

* number of elements for switches G/4G - see pages 110 - 111

GRUPNE SKLOPKE *GANG SWITCHES*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram
2 GRUPE Sklopni slijed: 0, A, A+B 2 GANG Switching sequence: 0, A, A+B 1 polna 1 pole	 P6045	251	1	
3 GRUPE Sklopni slijed: 0, A, A+B, A+B+C 3 GANG Switching sequence: 0, A, A+B, A+B+C 2 polna 2 pole	 P3048	254	2	
2 GRUPE Sklopni slijed: 0, A, A+B 2 GANG Switching sequence: 0, A, A+B 2 polna 2 pole	 P6045	252	2	
3 GRUPE Sklopni slijed: 0, A, A+B, A+B+C 3 GANG Switching sequence: 0, A, A+B, A+B+C 2 polna 2 pole	 P3048	255	3	

GRUPNE SKLOPKE GANG SWITCHES

Funkcija
Function

Podloga
Escutcheon plate

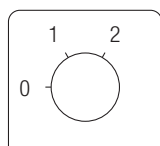
Kod
Code

Br. elem.
No. of elem.

Dijagram
Diagram

3 polna
3 pole

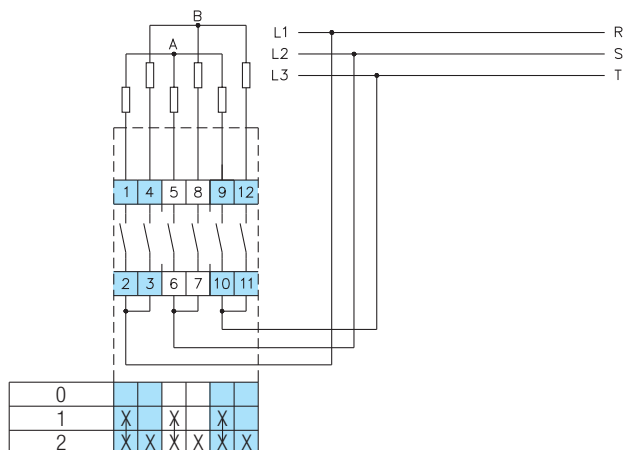
2 GRUPE
Sklopni slijed:
0, A, A+B
2 GANG
Switching sequence:
0, A, A+B



P6045

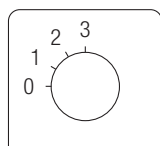
253

3



3 polna
3 pole

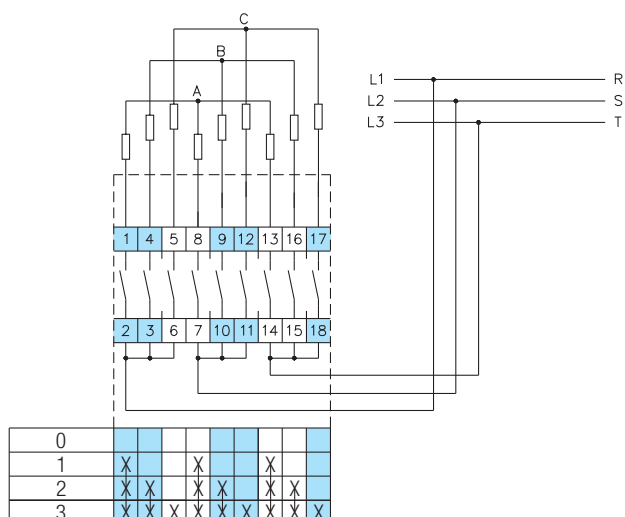
3 GRUPE
Sklopni slijed:
0, A, A+B, A+B+C
3 GANG
Switching sequence:
0, A, A+B, A+B+C



P3048

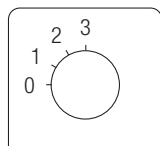
256

5



1 polna
1 pole

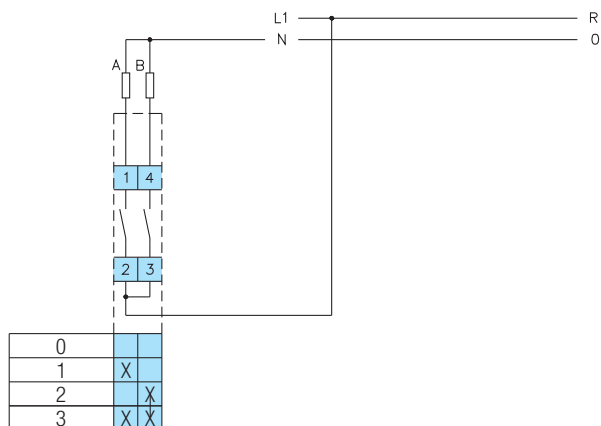
2 GRUPE
Sklopni slijed:
0, A, B, A+B
2 GANG
Switching sequence:
0, A, B, A+B



P3048

257

1



GRUPNE SKLOPKE *GANG SWITCHES*

Funkcija
Function

Podloga
Escutcheon plate

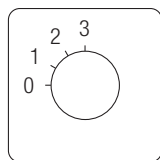
Kod
Code

Br. elem.
No. of elem.

Dijagram
Diagram

2 polna
2 pole

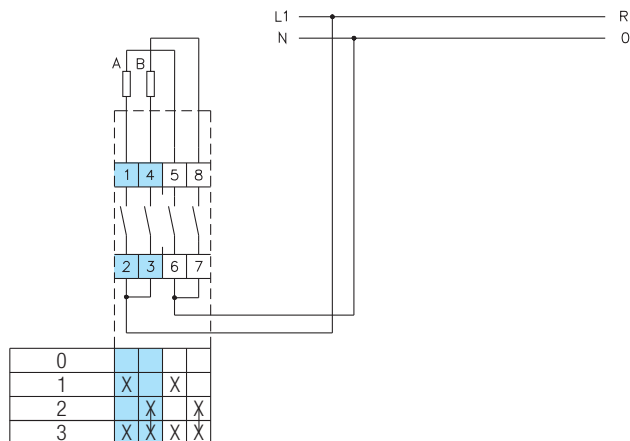
2 GRUPE
Sklopni slijed:
0, A, B, A+B
2 GANG
Switching sequence:
0, A, B, A+B



P3048

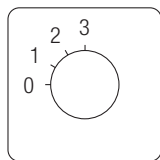
258

2



3 polna
3 pole

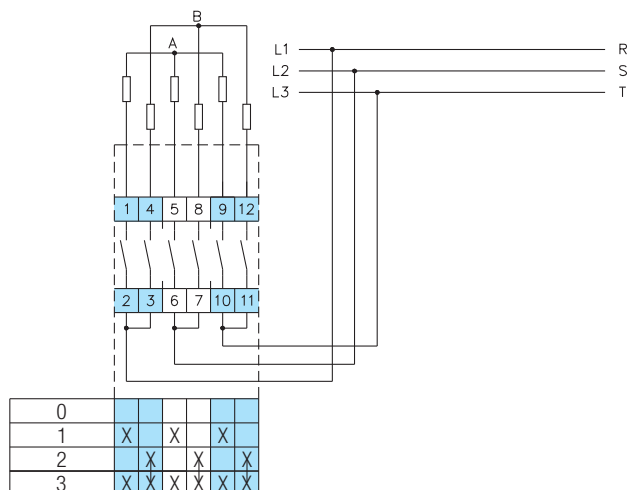
2 GRUPE
Sklopni slijed:
0, A, B, A+B
2 GANG
Switching sequence:
0, A, B, A+B



P3048

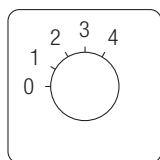
259

3



2 polna
2 pole

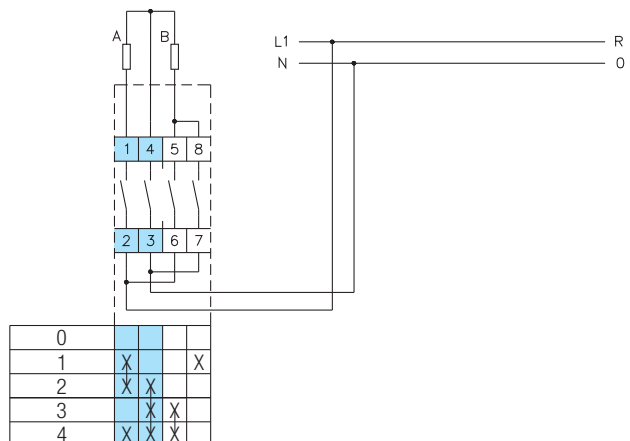
2 GRUPE
Sklopni slijed:
0, A+B serijski, A, B,
A+B paralelno
2 GANG
Switching sequence:
0, A+B series, A, B,
A+B parallel



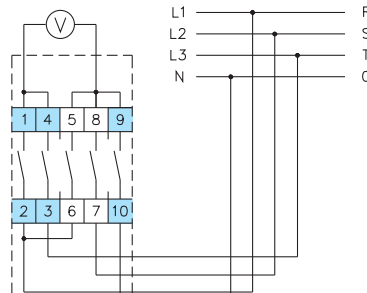
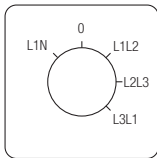
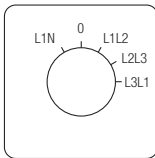
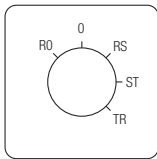
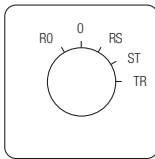
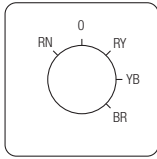
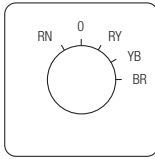
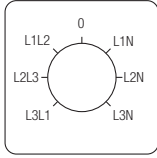
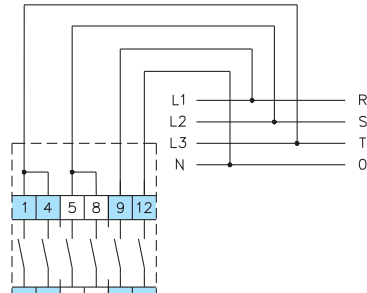
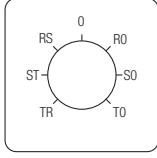
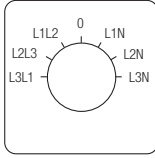
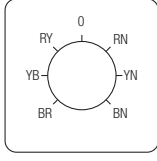
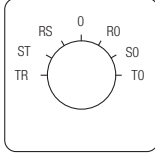
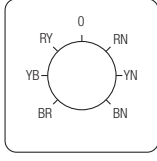
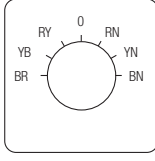
P3049

260

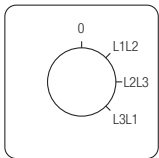
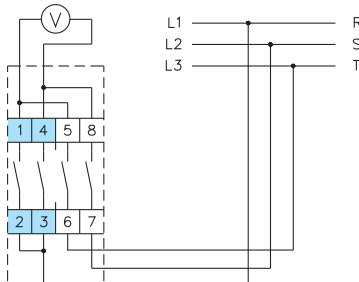
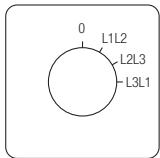
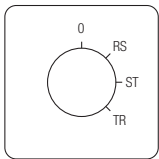
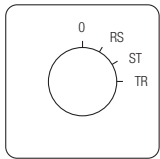
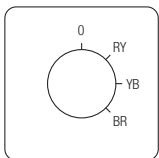
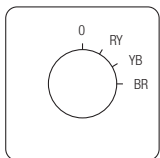
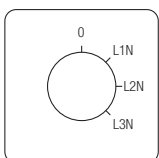
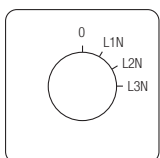
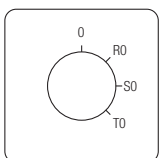
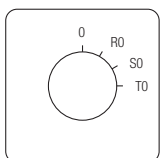
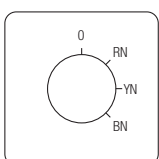
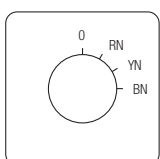
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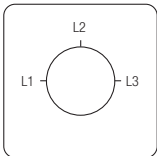
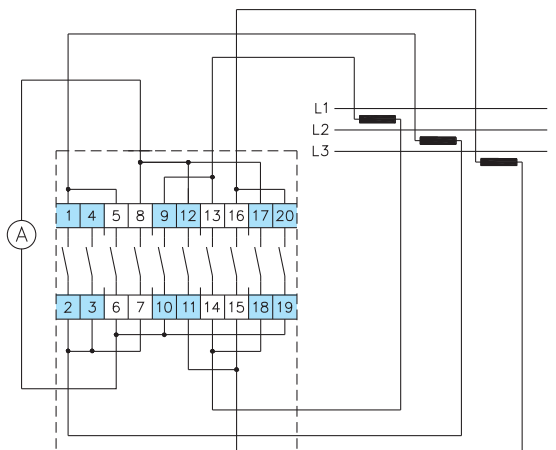
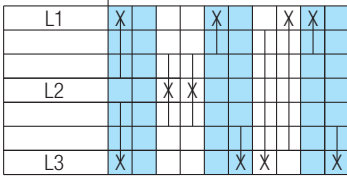
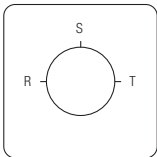
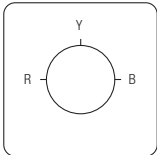
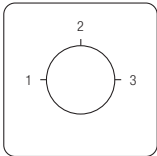
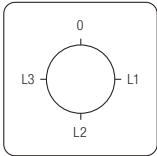
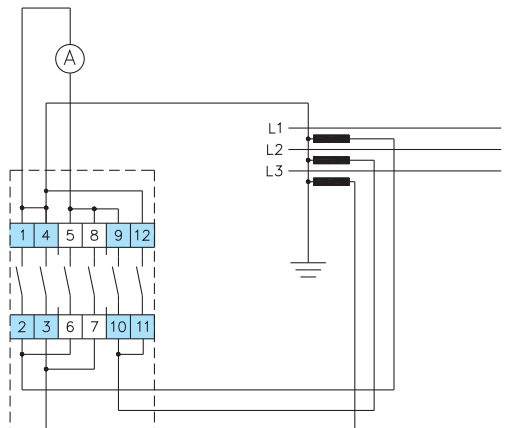
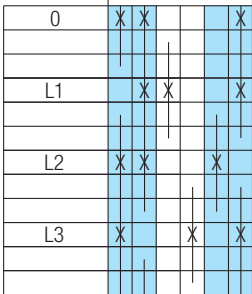
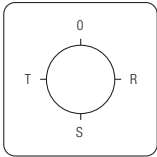
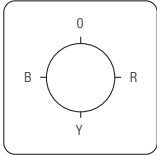
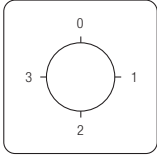
VOLTMETARSKE SKLOPKE *VOLTMETER SWITCHES*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram																																										
3 linijska napona i 1 fazni napon 3 line voltage and 1 phase voltage	za / for GX, GN, GF20	60	3	 <table><tr><td>L1N</td><td>X</td><td></td><td></td><td></td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L1L2</td><td>X</td><td></td><td></td><td>X</td><td></td></tr><tr><td>L2L3</td><td></td><td>X</td><td></td><td>X</td><td></td></tr><tr><td>L3L1</td><td></td><td>X</td><td>X</td><td></td><td></td></tr></table>	L1N	X				X	0						L1L2	X			X		L2L3		X		X		L3L1		X	X														
	L1N				X				X																																					
	0																																													
L1L2	X			X																																										
L2L3		X		X																																										
L3L1		X	X																																											
za / for 4G200, GF10																																														
		P4051	P3035																																											
3 linijska napona i 1 fazni napon 3 line voltage and 1 phase voltage		C 60	3																																											
					P4052	P3036																																								
						P4053	P3031																																							
		66	3	 <table><tr><td>L3L1</td><td></td><td>X</td><td></td><td></td><td>X</td></tr><tr><td>L2L3</td><td></td><td>X</td><td>X</td><td></td><td></td></tr><tr><td>L1L2</td><td></td><td></td><td></td><td>X</td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>L1N</td><td></td><td></td><td></td><td>X</td><td>X</td></tr><tr><td>L2N</td><td></td><td></td><td>X</td><td></td><td>X</td></tr><tr><td>L3N</td><td>X</td><td></td><td></td><td></td><td>X</td></tr></table>	L3L1		X			X	L2L3		X	X			L1L2				X	X	0						L1N				X	X	L2N			X		X	L3N	X				X
	L3L1					X			X																																					
	L2L3					X	X																																							
L1L2				X	X																																									
0																																														
L1N				X	X																																									
L2N			X		X																																									
L3N	X				X																																									
		P4054	P3027																																											
3 linijska napona i 3 fazna napona 3 line voltage and 3 phase voltage		C 66	3																																											
					P4057	P3026																																								
						P4058	P3028																																							
		D 66	3																																											

VOLTMETARSKE SKLOPKE *VOLTMETER SWITCHES*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram																				
3 linijska napona 3 line voltage	za / for GX, GN, GF20  P4055	67	2	 <table><tr><td>0</td><td></td><td></td><td></td><td></td></tr><tr><td>L1L2</td><td>X</td><td></td><td></td><td>X</td></tr><tr><td>L2L3</td><td></td><td></td><td>X</td><td>X</td></tr><tr><td>L3L1</td><td></td><td>X</td><td>X</td><td></td></tr></table>	0					L1L2	X			X	L2L3			X	X	L3L1		X	X	
	0																							
	L1L2				X			X																
	L2L3						X	X																
	L3L1					X	X																	
	za / for 4G200, GF10  P3015																							
 P4059	C 67	2																						
 P3013																								
 P4060			D 67	2																				
 P3019																								
 P4056					68	2																		
 P3014																								
 P4061	C 68	2																						
 P3012																								
 P4062			D 68	2																				
 P3017																								

AMPERMETARSKE SKLOPKE AMMETER SWITCHES

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram
2polna 3 struje (sa ili bez strujnih transformatora) 2 pole 3 currents (with or without current transformers)	 P9057	58	5	 
	 P9055	C 58	5	
	 P9074	D 58	5	
	 P9050	E 58	5	
1polna 3 struje (sa strujnim transformatorom) 1 pole 3 currents (with current transformer)	 P9007	98	3	 
	 P9014	C 98	3	
	 P9008	D 98	3	
	 P9003	E 98	3	

za / for GX, GN, GF20

AMPERMETARSKE SKLOPKE *AMMETER SWITCHES*

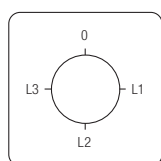
Funkcija
Function

Podloga
Escutcheon plate

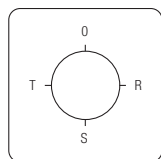
Kod
Code

Br. elem.
No. of elem.

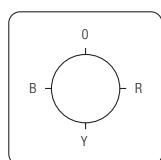
Dijagram
Diagram



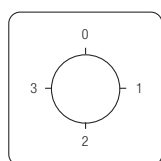
P9007



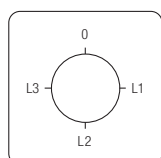
P9014



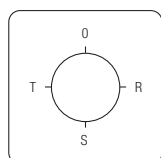
P9008



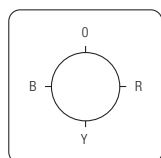
P9003



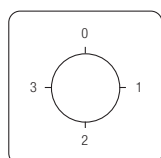
P9007



P9014



P9008



P9003

97

6

C 97

6

D 97

6

E 97

6

97

5

C 97

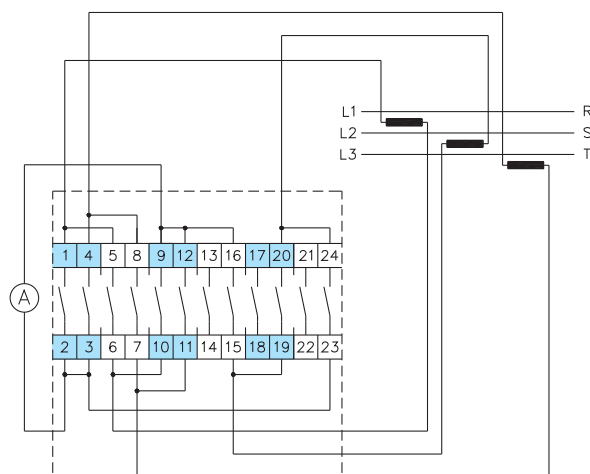
5

D 97

5

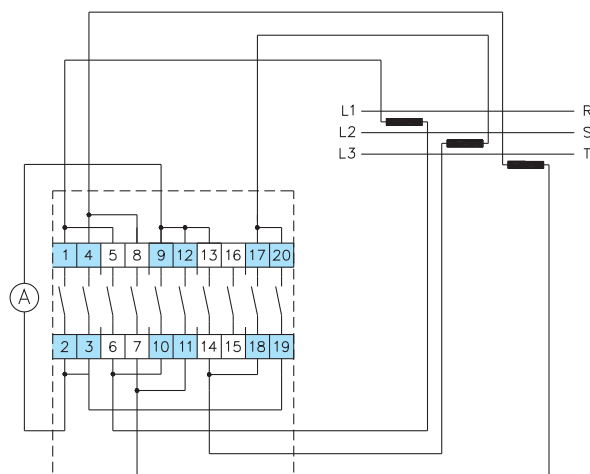
E 97

5



0		X	X					X	
L1	X		X	X				X	
L2		X	X			X			X
L3	X	X		X			X		

za / for G/4G, GF10



0		X	X					X	
L1	X		X	X				X	
L2		X	X			X			X
L3	X	X		X			X		

za / for GX, GN, GF20

2polna 0-položaj
3 struje (sa ili bez
strujnih transformatora)
2 pole 0-position
3 currents (with or without
current transformers)

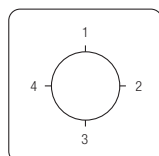
Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

Br. elem.	No. of elem.
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99	1
100	1

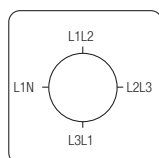
Dijagram
Diagram



P9047

61

8



P9079

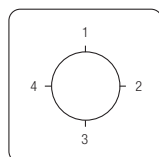
C 61

8

3 linijska napona
1 fazni napon
3 struje

3 line voltage
1 phase voltage
3 currents

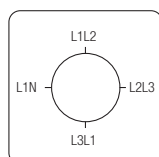
poz.	napon <i>voltage</i>	struja <i>currents</i>
1	L1L2	-
2	L2L3	L1
3	L3L1	L2
4	L1N	L3



P9047

61

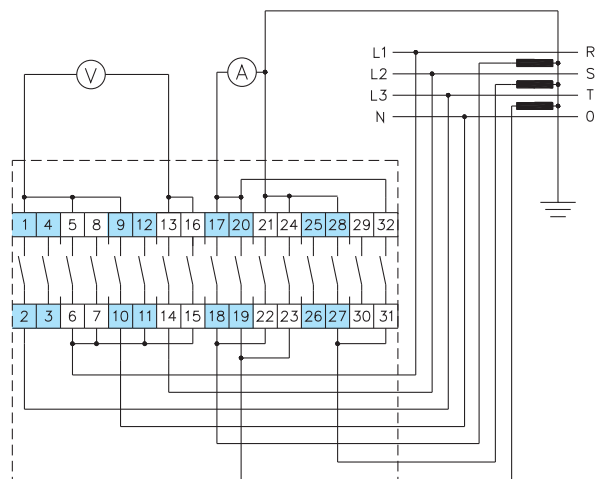
6



P9079

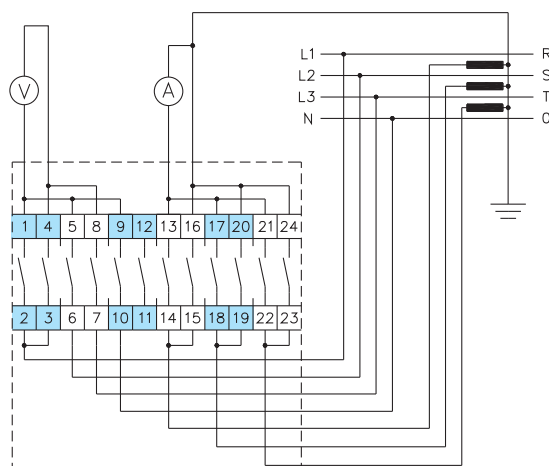
C 61

6



L1 L2		X		X		X X	X
L2 L3	X			X	X		X
L3 L1	X			X		X X	
L1N			X	X	X X		X

za / for G/4G, GF10



L1 L2	X	X			X	X	X
L2 L3		X	X		X	X	X
L3 L1	X		X		X	X	X
L1N	X		X		X	X	X

za / for GX, GN, GF20

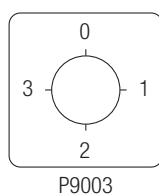
Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

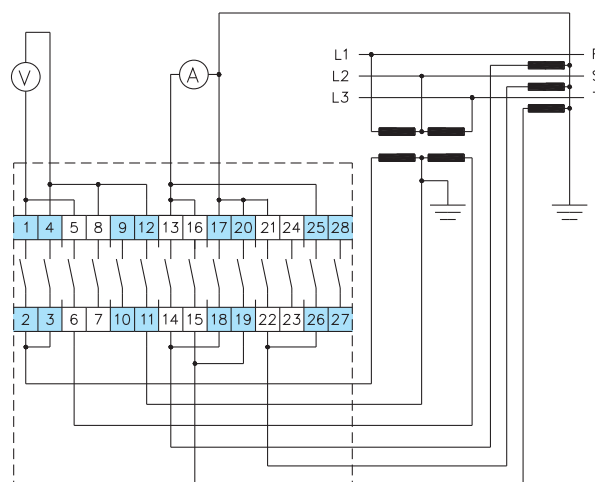
Br. elem.	No. of elem.
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
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33	1
34	1
35	1
36	1
37	1
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39	1
40	1
41	1
42	1
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44	1
45	1
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47	1
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79	1
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83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

Dijagram
Diagram



65

7

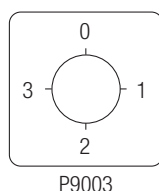


0							X	X	X					
1	X				X	X		X	X					
2			X		X		X	X		X				
3		X	X				X	X	X					

za / for G/4G, GF10

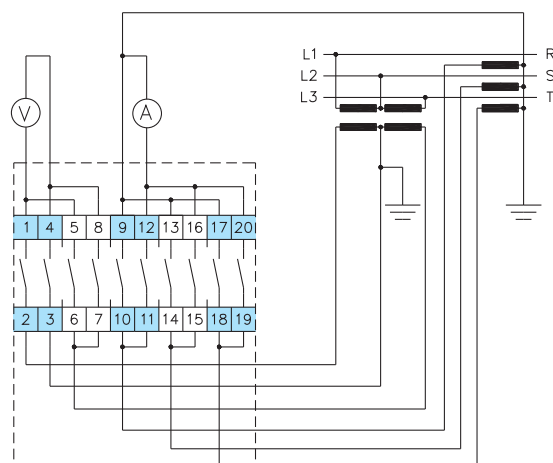
3 linijska napona
3 struje
3 line voltage
3 currents

poz.	napon <i>voltage</i>	struja <i>currents</i>
0	-	-
1	L1L2	L1
2	L2L3	L2
3	L3L1	L3



65

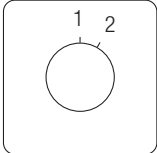
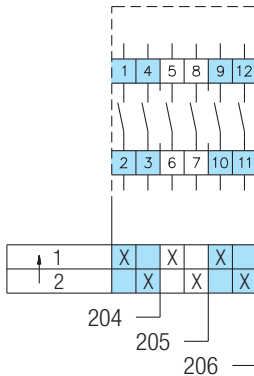
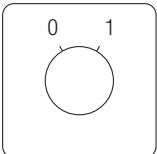
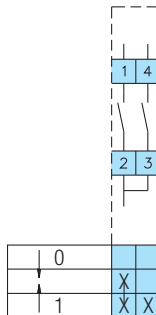
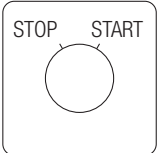
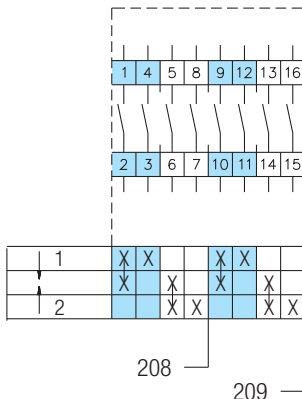
5



0				X	X	X
1	X	X			X	X
2		X	X	X		X
3	X		X	X	X	

za / for GX, GN, GF20

UPRAVLJAČKE SKLOPKE (s povratom) CONTROL SWITCHES (with spring return)

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram
1 uklop i 1 isklup 1 make and 1 break 2 uklopa i 2 isklopa 2 makes and 2 breaks 3 uklopa i 3 isklopa 3 makes and 3 breaks	 P3073	204 205 206	1 2 3	
1 uklop desno i 1 isklup lijevo 1 make right and 1 break left	 P6064	207	1	
1 uklop, 1 isklup desno 1 uklop, 1 isklup lijevo 1 make, 1 break right 1 make, 1 break left 2 uklopa, 2 isklopa desno 2 uklopa, 2 isklopa lijevo 2 makes, 2 breaks right 2 makes, 2 breaks left	 P6058	C207 208 209	1 2 4	

UPRAVLJAČKE SKLOPKE (s povratom) *CONTROL SWITCHES (with spring return)*

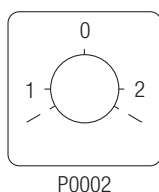
Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

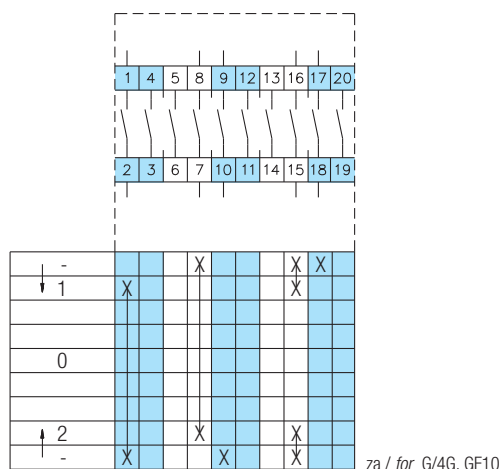
Br. elem.
No. of elem.

Dijagram
Diagram



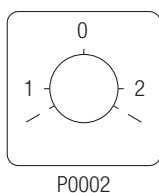
210

5



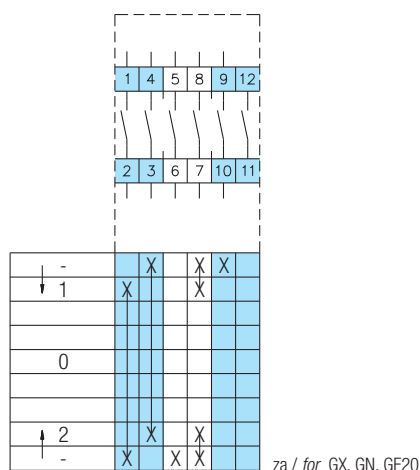
Sklopka sa zakretnim
tipkalom lijevo i desno

Switch with spring
return left and right



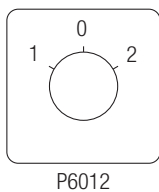
210

3



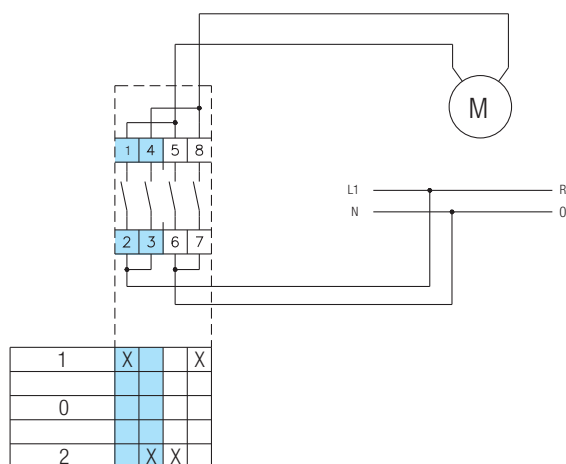
MOTORSKE REVERZIBILNE SKLOPKE *MOTOR REVERSING SWITCHES*

2 polna
2 pole

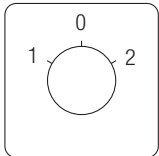
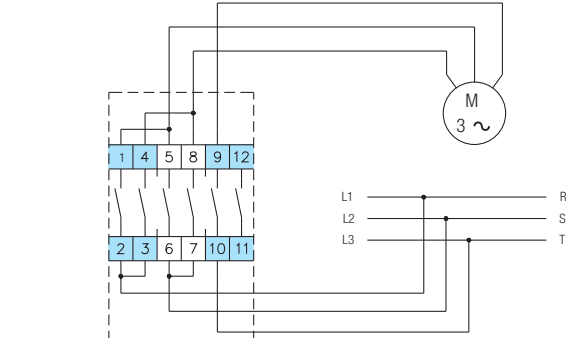
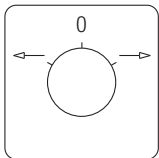
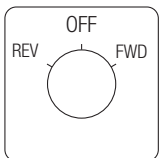
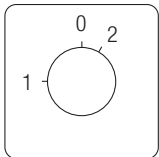
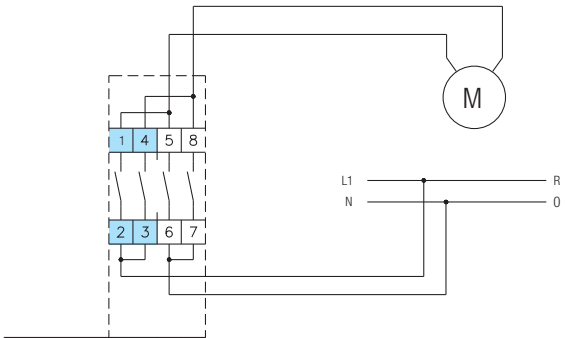
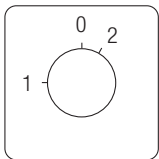
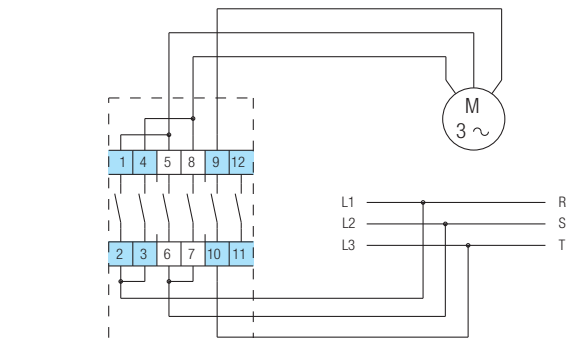


24

2



MOTORSKE REVERZIBILNE SKLOPKE *MOTOR REVERSING SWITCHES*

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram															
	 P6012	11	3																
3 polna 3 pole	 P6015	C11	3																
	 P6066	D11	3	<table><tr><td>1</td><td>X</td><td>X</td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td></tr><tr><td>2</td><td>X</td><td></td><td>X</td></tr></table>	1	X	X	X	0				2	X		X			
1	X	X	X																
0																			
2	X		X																
2 polna povrat iz 2 u "0" 2 pole return from 2 to "0"	 P0005	14	2	 <table><tr><td>1</td><td>X</td><td></td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td></tr><tr><td>2</td><td>X</td><td>X</td><td></td></tr></table>	1	X		X	0				2	X	X				
1	X		X																
0																			
2	X	X																	
3 polna povrat iz 2 u "0" 3 pole return from 2 to "0"	 P0005	166	3	 <table><tr><td>1</td><td>X</td><td></td><td>X</td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td><td></td></tr><tr><td>2</td><td>X</td><td>X</td><td>X</td><td></td></tr></table>	1	X		X	X	0					2	X	X	X	
1	X		X	X															
0																			
2	X	X	X																

MOTORSKE REVERZIBILNE SKLOPKE MOTOR REVERSING SWITCHES

Funkcija
Function

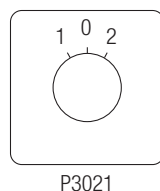
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

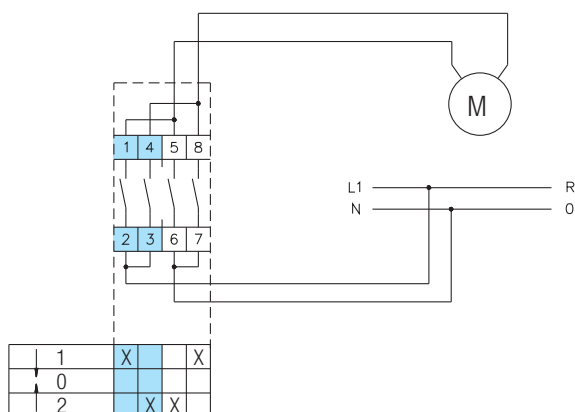
Dijagram
Diagram

2 polna
povrat u "0"
2 pole
return to "0"

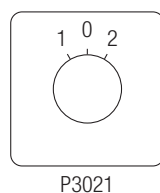


25

2

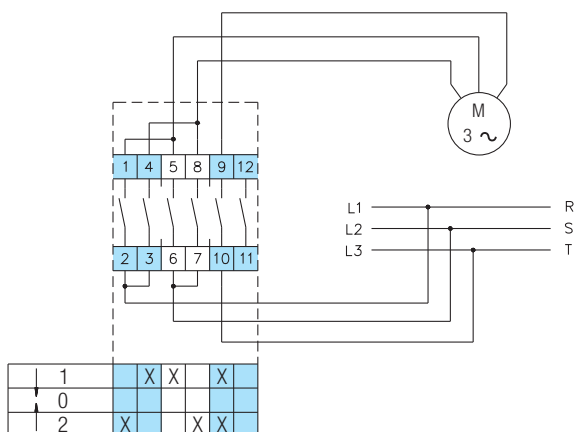


3 polna
povrat u "0"
3 pole
return to "0"

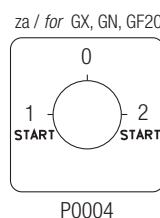


26

3

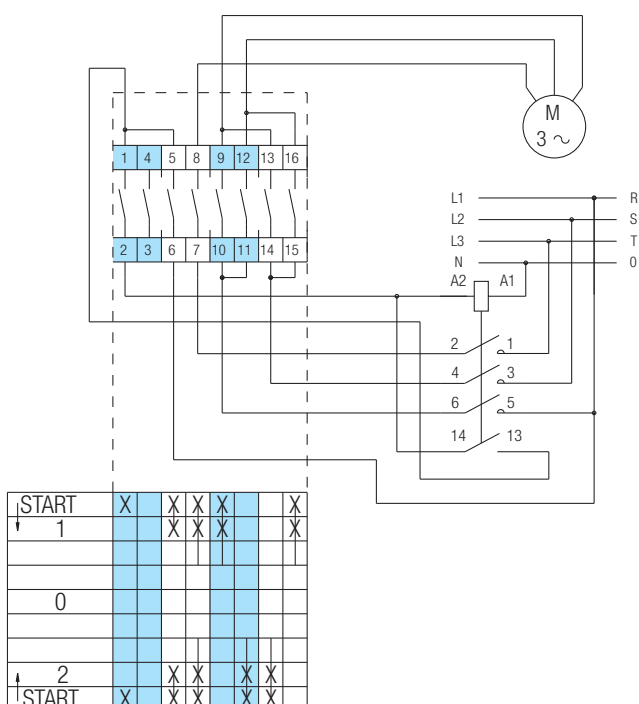


3 polna
sa sklopnikom
3 pole
with contactor

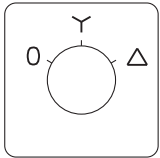
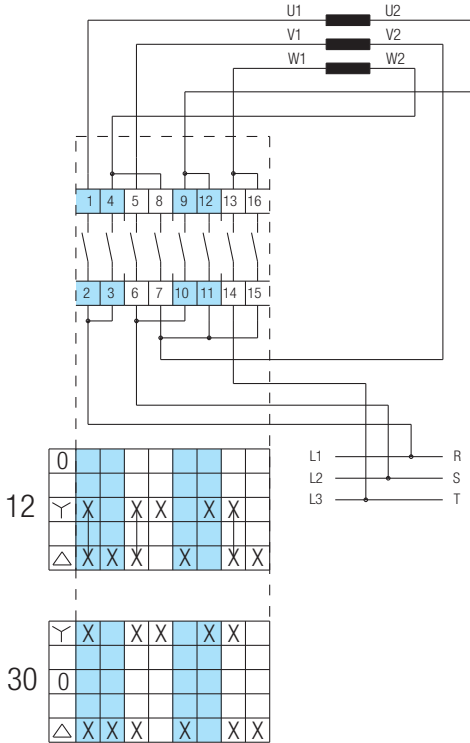
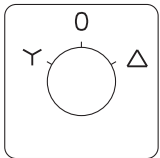
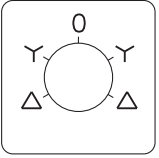
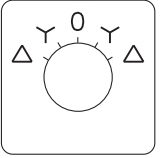
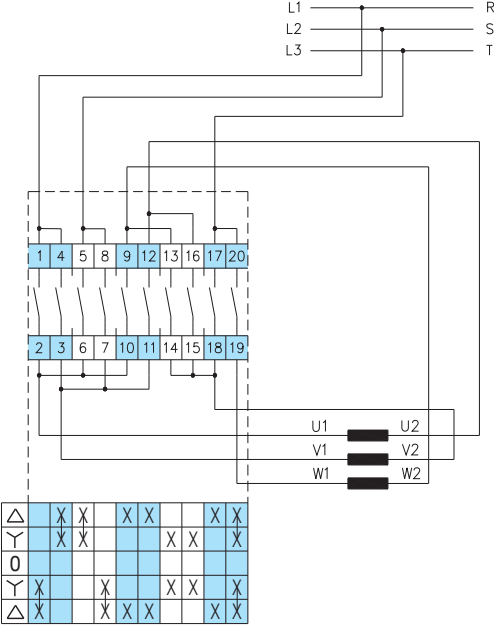


27

4



ZVIJEZDA - TROKUT SKLOPKE STAR - DELTA SWITCHES

Funkcija Function	Podloga Escutcheon plate	Kod Code	Br. elem. No. of elem.	Dijagram Diagram
Standardna verzija Standard version	 P6034	12	4	
	 P6014	30	4	
2 smjera okretanja Reversing	za / for GX, GN, GF20  P6083 za / for G/4G, GF10  P3025	21	5	

ZVIJEZDA - TROKUT SKLOPKE STAR - DELTA SWITCHES

Funkcija
Function

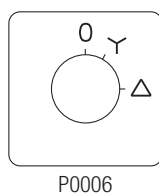
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

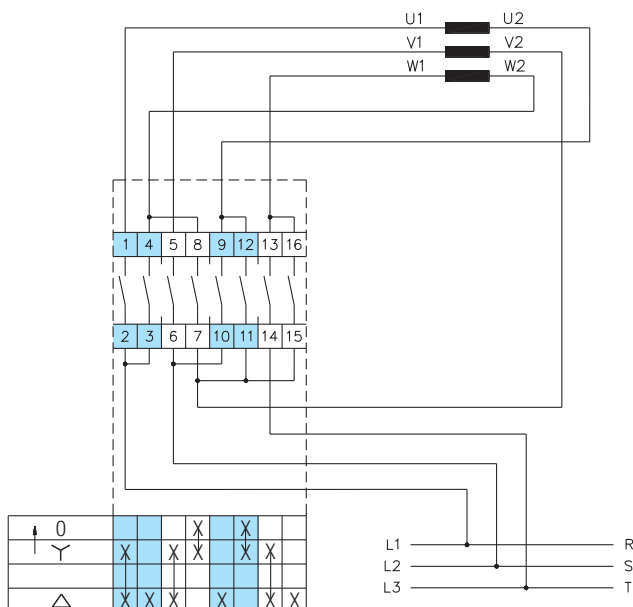
Dijagram
Diagram

Povrat iz Y u "0"
Return from Y to "0"

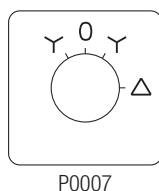


28

4

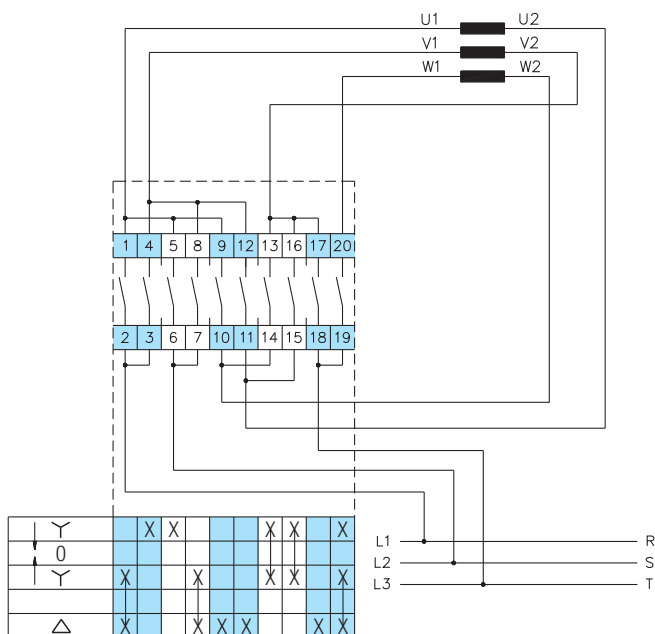


Protustrujno kočenje
Counter current
braking



29

5



ZVIJEZDA - TROKUT SKLOPKE STAR - DELTA SWITCHES

Funkcija
Function

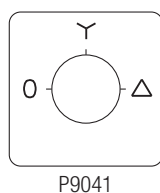
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

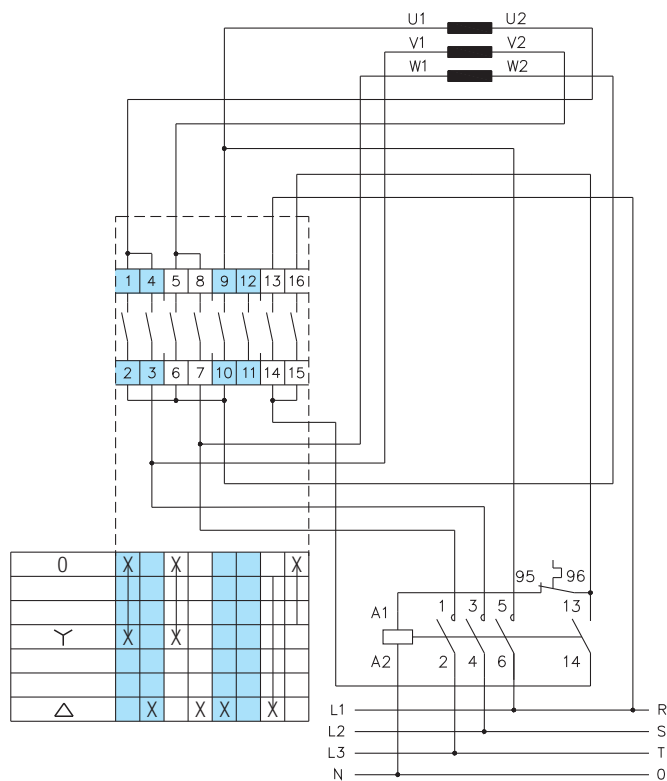
Dijagram
Diagram

Sa sklopnikom
With contactor

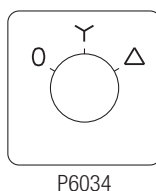


31

4

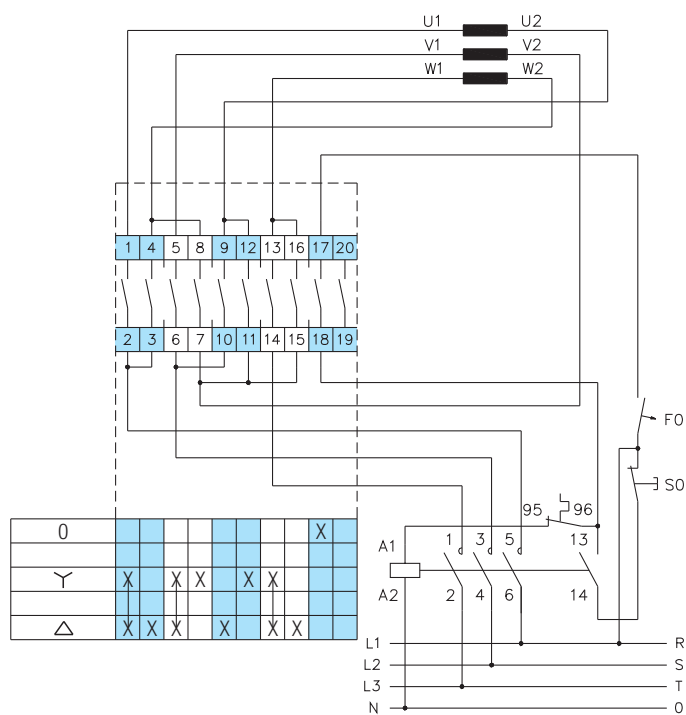


S kontaktom u
"0" položaju
With contact in "0"
position



49

5



SKLOPKE ZA UPRAVLJANJE MOTORIMA (Dahlander) *MOTOR CONTROL SWITCHES (Dahlander)*

Funkcija
Function

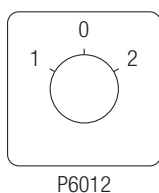
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

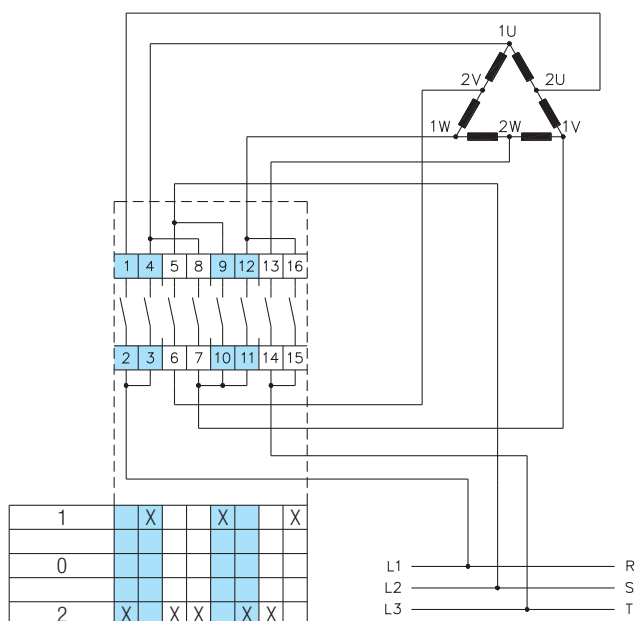
Dijagram
Diagram

Položaj "0" u sredini
(Δ - 0 - YY)
With center "0"
(Δ - 0 - YY)

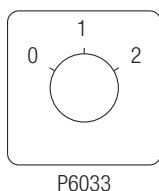


13

4

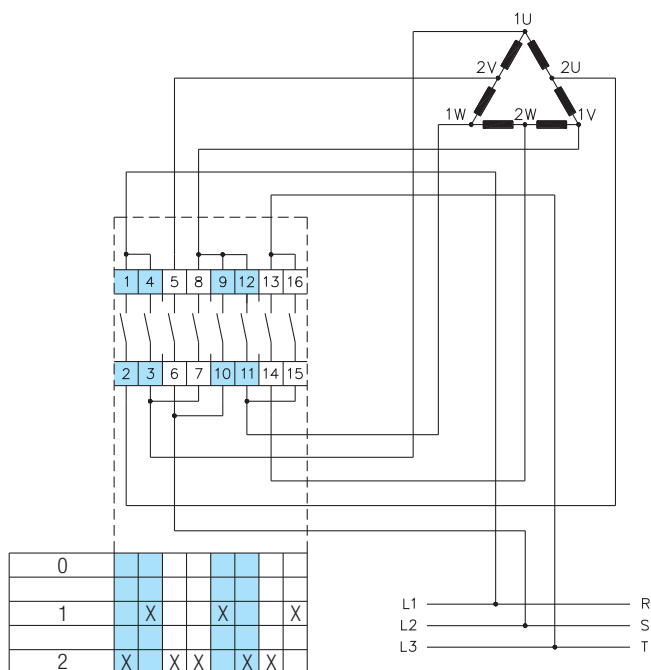


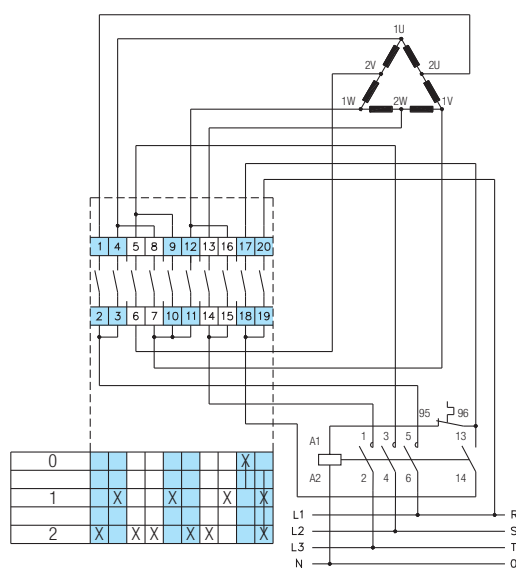
Standardna izvedba
(0 - Δ - YY)
Standard version
(0 - Δ - YY)



19

4





SKLOPKE ZA UPRAVLJANJE MOTORIMA (Odvojeni namoti) *MOTOR CONTROL SWITCHES (Separate windings)*

Funkcija
Function

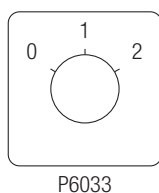
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

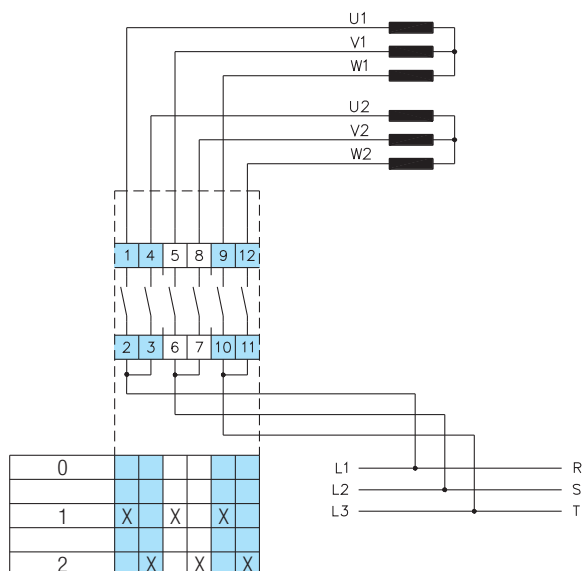
Dijagram
Diagram

2 brzine, 2 namota
2 speed, 2 windings

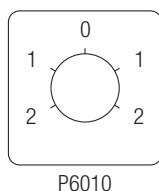


22

3

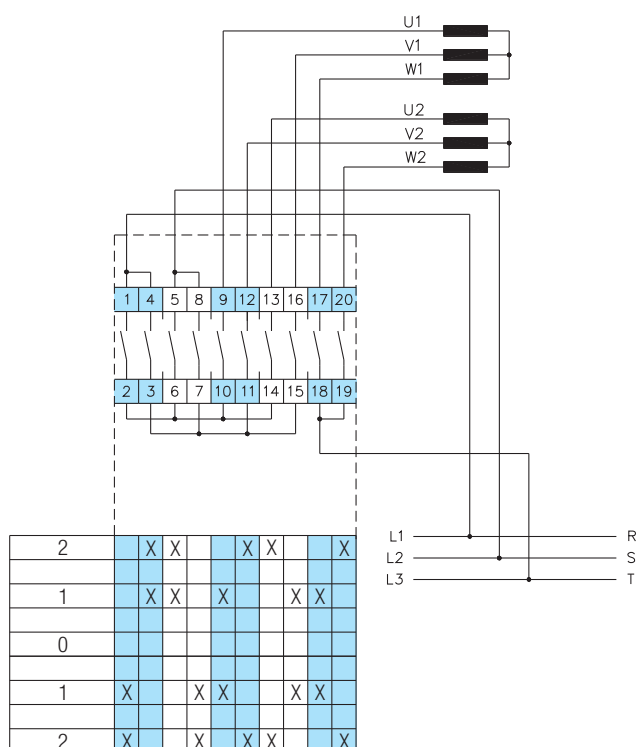


2 brzine, 2 smjera
2 namota
2 speed, reversing,
2 windings



23

5



105

Funkcija
Function

Podloga
Escutcheon plate

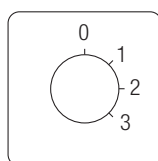
Kod
Code

Br. elem.	No. of elem.
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

Dijagram
Diagram

3 speed, with
contactor
(ventilator run)
(0-Y-Y-YY)

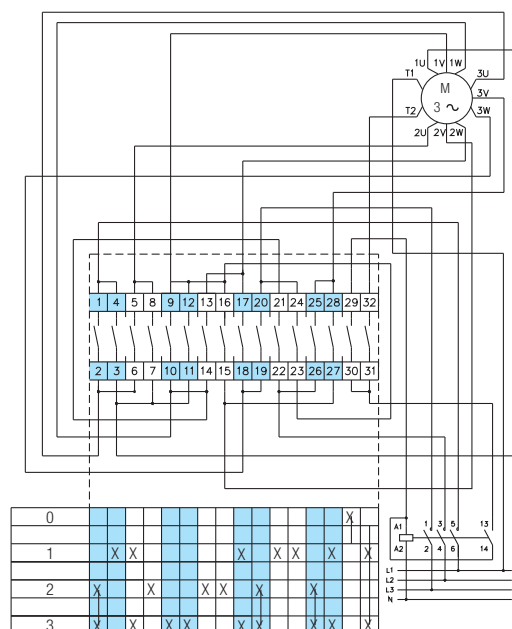
za / for GX, GN, GF, G/4G



P4003

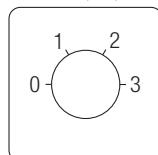
18

8



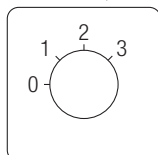
3 speed, 2 windings
(1. and 3. speed Dahlander)
(0 - Δ - Y - YY)

za / for GX, GN, GF20



P6046

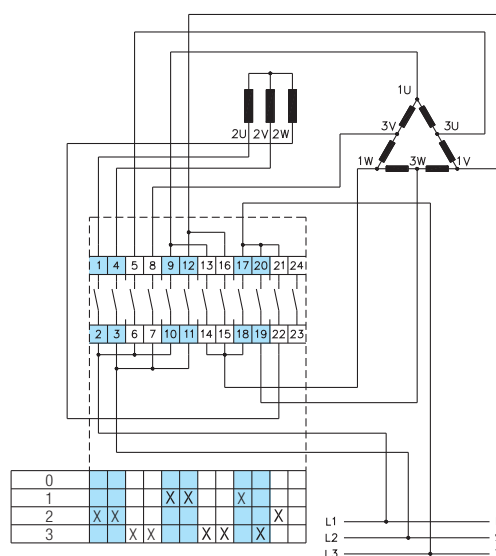
za / for G/4G, GF10



P4022

34

6



SKLOPKE ZA UPRAVLJANJE TROBRZINSKIM MOTORIMA SWITCHES FOR 3-SPEED MOTOR CONTROL

Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

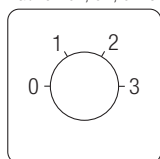
Br. elem.
No. of elem.

Dijagram
Diagram

3 brzine, 2 namota
(1. i 2. brzina Dahlander)
(0 - Δ - YY - Y)

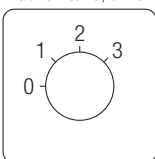
3 speed, 2 windings
(1. and 2. speed Dahlander)
(0 - Δ - YY - Y)

za / for GX, GN, GF20



P6046

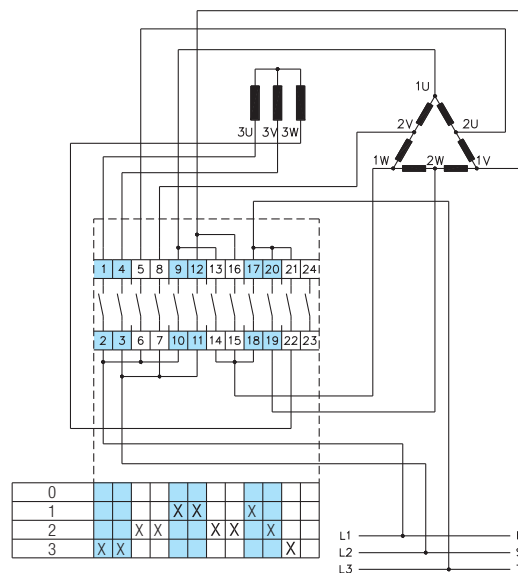
za / for G/4G, GF10



P4022

35

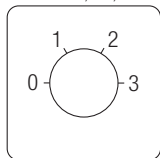
6



3 brzine, 2 namota
(2. i 3. brzina Dahlander)
(0 - Y - Δ - YY)

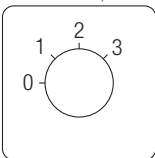
3 speed, 2 windings
(2. and 3. speed Dahlander)
(0 - Y - Δ - YY)

za / for GX, GN, GF20



P6046

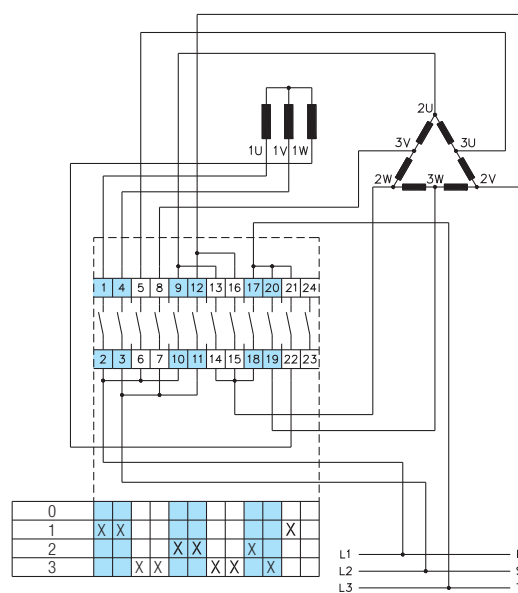
za / for G/4G, GF10



P4022

36

6



SKLOPKE ZA POKRETANJE JEDNOFAZNIH MOTORA *START AND RUN SWITCHES*

Funkcija
Function

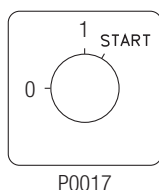
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No. of elem.

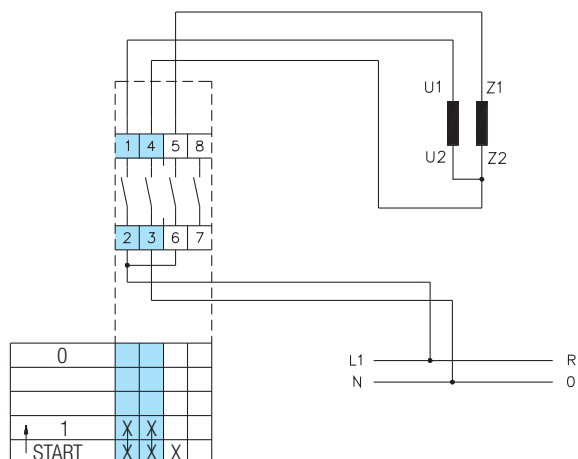
Dijagram
Diagram

Standardna izvedba
Standard version

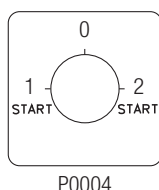


15

2

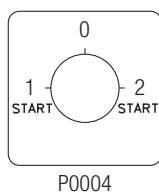
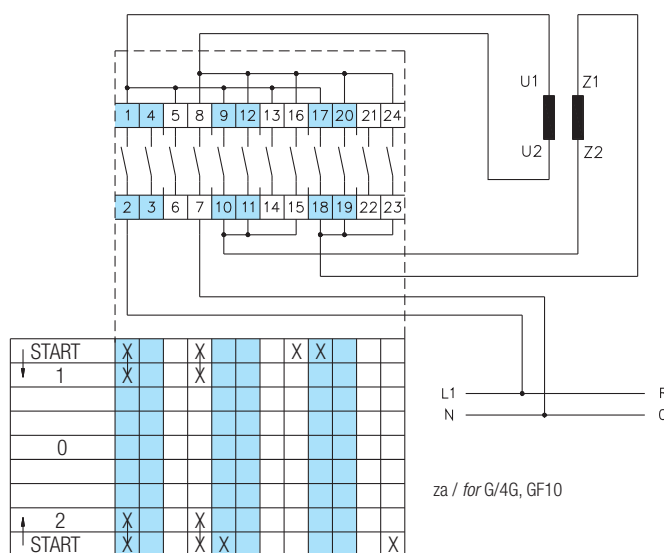


2 smjera okretanja
Reversing



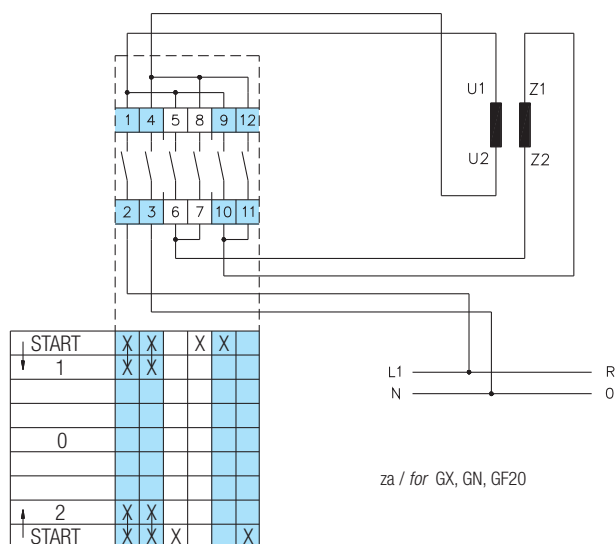
16

6



16

3



SKLOPKE ZA POKRETANJE JEDNOFAZNIH MOTORA *START AND RUN SWITCHES*

Funkcija
Function

Podloga
Escutcheon plate

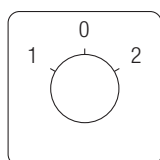
Kod
Code

Br. elem.
No. of elem.

Dijagram
Diagram

2 smjera okretanja
trajno spojeni radni
i zaletni kondenzator
te centrifugalna sklopka

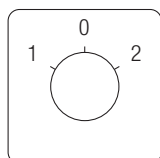
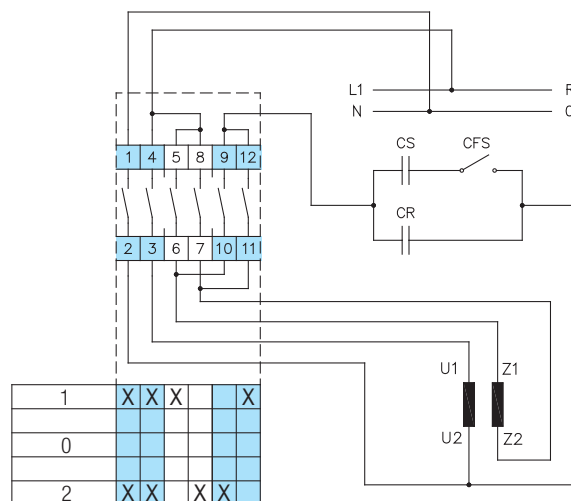
*Reversing
permanent operating and
starting capacitor with
centrifugal switch*



P6012

59

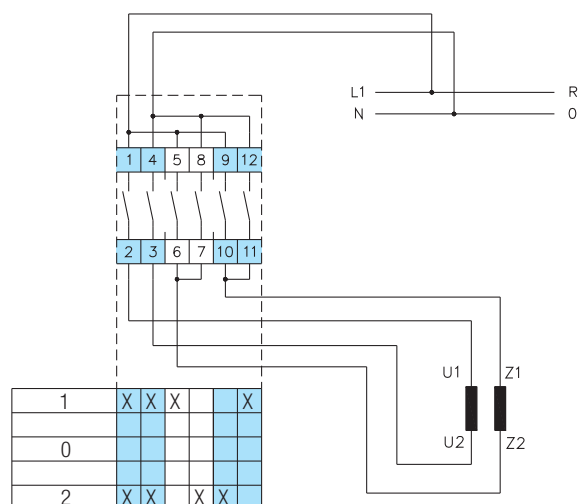
3



P6012

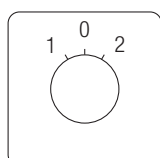
17

3



2 smjera okretanja
trajno uključena
pomoćna faza

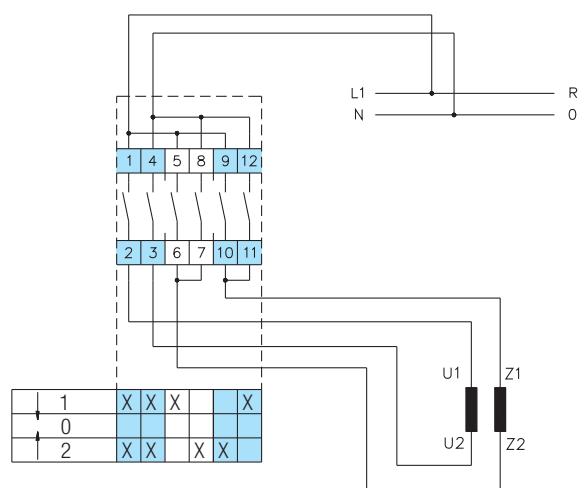
*Reversing
permanent start
winding*



P3021

50

3



SKLOPKE SERIJE SWITCHES SERIES G/4G

Kod Code	Broj elemenata / Number of elements							
	4G200	G315	4G400	G630	G900	G1200	G1600	G2000

SKLOPKE S KUTOM ZAKRETA 60° / SWITCHES WITH 60° SWITCHING

90	1	1	2	2	3	2	3	4
91	1	1	2	2	3	4	6	8
10	2	2	4	4	6	6	9	12
92	2	2	4	4	6	8	12	16
99	3	3	6	6	9	10	15	20
100	3	3	6	6	9	12	-	-
37	4	4	8	8	12	14	-	-
38	4	4	8	8	12	16	-	-
39	5	5	10	10	15	-	-	-
40	5	5	10	10	15	-	-	-
41	6	6	12	12	-	-	-	-
42	6	6	12	12	-	-	-	-
C90	1	1	2	2	3	2	3	4
C91	1	1	2	2	3	4	6	8
C10	2	2	4	4	6	6	9	12
C92	2	2	4	4	6	8	12	16
D90	1	1	2	2	3	2	3	4
D91	1	1	2	2	3	4	6	8
D10	2	2	4	4	6	6	9	12
D92	2	2	4	4	6	8	12	16
D99	3	3	6	6	9	10	15	20
D100	3	3	6	6	9	12	-	-
E90	1	1	2	2	3	2	3	4
E91	1	1	2	2	3	4	6	8
E92	2	2	4	4	6	6	9	12
E10	2	2	4	4	6	8	12	16
E99	3	3	6	6	9	10	15	20
E100	3	3	6	6	9	12	-	-

SKLOPKE S KUTOM ZAKRETA 90° / SWITCHES WITH 90° SWITCHING

05	1	1	2	2	3	2	3	4
06	1	1	2	2	3	4	6	8
07	2	2	4	4	6	6	9	12
08	2	2	4	4	6	8	12	16
C05	1	1	2	2	3	2	3	4
C06	1	1	2	2	3	4	6	8
C07	2	2	4	4	6	6	9	12
C08	2	2	4	4	6	8	12	16
09	2	2	4	4	6	6	9	9
C09	2	2	4	4	6	6	9	9

PREKLOPKE BEZ "0" POLOŽAJA / CHANGEOVER SWITCHES WITHOUT "0"

54	1	1	2	2	3	4	6	8
55	2	2	4	4	6	8	12	16
56	3	3	6	6	9	12	18	-
69	4	4	8	8	12	16	-	-
70	5	5	10	10	16	-	-	-
71	6	6	12	12	-	-	-	-
72	7	7	14	14	-	-	-	-
73	8	8	16	16	-	-	-	-
C54	1	1	2	2	3	4	6	8
C55	2	2	4	4	6	8	12	16
C56	3	3	6	6	9	12	-	-
C69	4	4	8	8	12	16	-	-

Kod Code	Broj elemenata / Number of elements							
	4G200	G315	4G400	G630	G900	G1200	G1600	G2000

PREKLOPKE S "0" POLOŽAJEM / CHANGEOVER SWITCHES WITH "0"

51,171	1	1	2	2	3	4	6	8
52,172	2	2	4	4	6	8	12	16
53,173	3	3	6	6	9	12	18	-
75,174	4	4	8	8	12	16	-	-
76	5	5	10	10	15	-	-	-
77	6	6	12	12	-	-	-	-
78	7	7	14	14	-	-	-	-
79	8	8	16	16	-	-	-	-
C51	1	1	2	2	3	4	6	8
C52	2	2	4	4	6	8	12	16
C53	3	3	6	6	9	12	-	-
C75	4	4	8	8	12	16	-	-
C76	5	5	10	10	15	-	-	-
C77	6	6	12	12	-	-	-	-
D51	1	1	2	2	3	4	6	8
D52	2	2	4	4	6	8	12	16
D53	3	3	6	6	9	12	-	-
D75	4	4	8	8	12	16	-	-
D76	5	5	10	10	15	-	-	-
D77	6	6	12	12	-	-	-	-
E51	1	1	2	2	3	4	6	8
E52	2	2	4	4	6	8	12	16
E53	3	3	6	6	9	12	-	-
E75	4	4	8	8	12	16	-	-
E76	5	5	10	10	15	-	-	-
E77	6	6	12	12	-	-	-	-

STEPENASTE SKLOPKE BEZ "0" POLOŽAJA / MULTI-STEP SWITCHES WITHOUT "0"

82	2	2	4	4	6	8	-	-
86	3	3	6	6	9	12	-	-
93	5	5	10	10	15	-	-	-
141	6	6	12	12	-	-	-	-
149	8	8	16	16	-	-	-	-
83	2	2	4	4	6	8	12	16
87	4	4	8	8	-	-	-	-
94	6	6	12	12	-	-	-	-
142	8	8	16	16	-	-	-	-
84	3	3	6	6	9	12	-	-
88	5	5	10	10	15	-	-	-
95	8	8	16	16	-	-	-	-
85	3	3	6	6	9	12	-	-
89	6	6	12	12	-	-	-	-
101	4	4	8	8	12	-	-	-
117	7	7	14	14	-	-	-	-
102	4	4	8	8	12	-	-	-
118	8	8	16	16	-	-	-	-
103	5	5	10	10	15	-	-	-
104	5	5	10	10	15	-	-	-
105	6	6	12	12	-	-	-	-
106	6	6	12	12	-	-	-	-

SKLOPKE SERIJE SWITCHES SERIES G/4G

Kod Code	Broj elemenata / Number of elements							
	4G200	G315	4G400	G630	G900	G1200	G1600	G2000

STEPENASTE SKLOPKE S "0" POLOŽAJEM / MULTI-STEP SWITCHES WITH "0"

107	1	1	2	2	3	4	6	8
123	2	2	4	4	6	8	12	16
135	3	3	6	6	9	12	-	-
145	4	4	8	8	12	16	-	-
151	5	5	10	10	15	-	-	-
156	6	6	12	12	-	-	-	-
160	7	7	14	14	-	-	-	-
163	8	8	16	16	-	-	-	-
108	2	2	4	4	6	8	12	16
124	3	3	6	6	9	12	-	-
136	5	5	10	10	15	-	-	-
146	6	6	12	12	-	-	-	-
152	8	8	16	16	-	-	-	-
109	2	2	4	4	6	8	12	16

Kod Code	Broj elemenata / Number of elements							
	4G200	G315	4G400	G630	G900	G1200	G1600	G2000

STEPENASTE SKLOPKE S "0" POLOŽAJEM / MULTI-STEP SWITCHES WITH "0"

125	4	4	8	8	12	16	-	-
137	6	6	12	12	-	-	-	-
147	8	8	16	16	-	-	-	-
110	3	3	6	6	9	12	-	-
126	5	5	10	10	15	-	-	-
138	8	8	16	16	-	-	-	-
111	4	4	8	8	12	16	-	-
127	7	7	14	14	-	-	-	-
112	4	4	8	8	12	16	-	-
128	8	8	16	16	-	-	-	-
113	5	5	10	10	15	-	-	-
114	5	5	10	10	15	-	-	-
115	6	6	12	12	-	-	-	-
116	6	6	12	12	-	-	-	-

POPIS DIJAGRAMA SKLAPANJA LIST OF SWITCHING DIAGRAMS

Diagram	Strana / Page	Diagram	Strana / Page	Diagram	Strana / Page	Diagram	Strana / Page	Diagram	Strana / Page	Diagram	Strana / Page
1	72	35	107	69	74	103	76	137	78	175	78
2	72	36	107	70	74	104	77	138	79	176	78
3	72	37	70	71	74	105	77	139	79	177	78
4	72	38	70	72	74	106	77	140	80	178	78
5	71	39	70	73	74	107	78	141	74	179	79
6	71	40	70	74	74	108	78	142	75	182	73
7	71	41	70	75	73	109	78	143	75	183	73
8	71	42	70	76	73	110	79	144	75	201	72
9	71	43	74	77	73	111	79	145	78	202	72
10	71	44	74	78	73	112	80	146	78	203	72
11	97	45	72	79	73	113	81	147	78	204	95
12	99	46	72	80	73	114	82	148	79	205	95
13	102	47	72	81	73	115	83	149	74	206	95
14	97	48	72	82	74	116	84	150	75	207	95
15	108	49	101	83	75	117	76	151	78	208	95
16	108	50	109	84	75	118	76	152	78	209	95
17	109	51	73	85	75	119	76	153	78	210	96
18	106	52	73	86	74	120	77	154	74	251	85
19	102	53	73	87	75	121	77	155	75	252	85
20	102	54	74	88	75	122	77	156	78	253	86
21	99	55	74	89	75	123	78	157	78	254	85
22	104	56	74	90	70	124	78	158	78	255	85
23	104	57	71	91	70	125	78	159	74	256	86
24	96	58	90	92	70	126	79	160	78	257	86
25	98	59	109	93	74	127	79	161	78	258	87
26	98	60	88	94	75	128	80	162	74	259	87
27	98	61	92	95	75	129	81	163	78	260	87
28	98	62	74	96	75	130	82	164	78	270	71
29	98	63	71	97	91	131	83	165	81	271	71
30	99	64	93	98	90	132	84	166	97	275	71
31	101	65	67	99	70	133	76	171	73	276	71
32	103	66	88	100	70	134	76	172	73	277	71
33	105	67	89	101	76	135	78	173	73	278	71
34	106	68	89	102	76	136	78	174	73		

Narudžbeni list za specijalne sklopke *Order sheet for special switches*

Naručitelj / Purchaser

Telefon / Phone

Telefax

Datum / Date

Tip sklopke / *Switch type:*

GN
 GX
 GF
 G
 4G

--	--	--	--	--

ili / or

Podaci sklopke / *Switch data:*

Napon / Voltage _____ V

Struja / Current _____ A

Snaga / Power kW

Opis primjene sklopke / *Description of the equipment to be switched:*

Oblik ugradnje / *Mounting form:*U - Ugradna / *Front*0 - Odvojena / *Rear*

P - Plastično kućište / *Plastic enclosure*

L - Limeno kućište / *Metal enclosure*

NAPOMENA: - Standardna kombinacija boja i oblika. Obavezno označiti željeni zahtjev (☒ ili ☒).

REMARK: - Standard combination of colours and forms. Please mark the desired request (☐ or ☒).

Prednji sklop / *Front part:*

Ručica /
Handle

Prednja ploča /
Front plate

Podloga /
Escutch. plate

Oblik / *Form*:

Ručica /
Handle

Crna / *Black*

Siva / Grey

Crvena / Red

Žuta / Yellow

Bijela / *White*

Posebna izveštaja

Dodatni zahtjevi / *Additional requirements:*

  A00, A0
A1, A2, A3

  A1, A2, A3

A3

Prednja ploča /
Front plate

Standardna /
Standard
A00, A0, A1, A2, A3

Sa natpisom /
With title
A00, A0, A1, A2

Narudžbeni broj / Order No.

[illegible]

Max. broj znakova
Max. number of characters

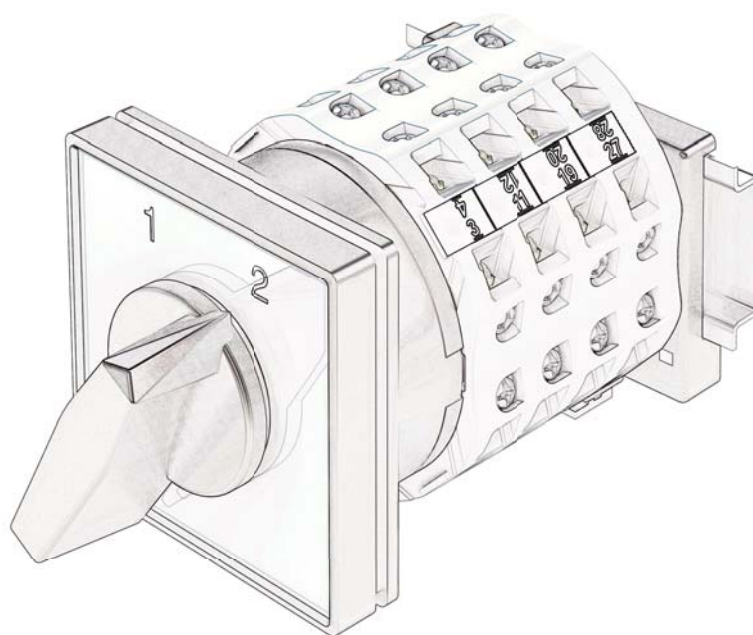
30° / 60°

45° / 90°

Grebenasta sklopka

*Rotary cam
switch*

GA20



Grebenasta sklopka serije GA pripada novoj seriji grebenastih sklopki sa zaštitom od slučajnog dodira (DIN/EN61140).

Ovaj tip sklopke ima 4 kontakta po sklopnom elementu. Može imati najviše 12 upravljačkih položaja i 12 sklopnih elemenata (48 kontakata), a može se izvesti s kutem zakreta od 30°, 45°, 60° i 90°. Svoju primjenu najčešće nalazi u ormarima u kojima je ograničen prostor iza montažne ploče, a shema sklapanja zahtijeva velik broj kontakata.

Konstruirana je prema najsuvremenijim principima i dostignućima na području sklopnih aparata uz uporabu najkvalitetnijih izolacijskih i kontaktnih materijala. Odlikuje se visokim sklopnim moćima, te velikom električnom i mehaničkom trajnošću.

Kada se traži prednji sklop veći od standardnog, sklopka ima oznaku H (GA20H).

Ako se sklopka koristi za napone niže od 24 V i male struje reda mA, može se izraditi s pozlaćenim kontaktima. Tada sklopka ima oznaku G (GA20G).

Rotary cam switch series GA is the new series of rotary cam switches protected from inadvertent touch (DIN/EN61140).

Per each switching element this switch has 4 contacts. Switch can have max. 12 control positions and 12 switching elements (48 contacts) with turning angle of 30°, 45°, 60° or 90°. This cam switch is used in applications where available depths behind the mounting plates are limited and the switching programs require a large number of contacts. It is designed on modern principles taking into consideration the latest achievements in the field of switching devices and using the best insulation and contact materials. Its advantages are: high making and breaking capacities, electrical and mechanical endurance.

At the switch where is front part bigger than standard size required, the switch is marked with H (GA20H).

When the switch is used at lower voltages than 24 V and currents of mA, the contacts can be gold-plated. The switch is marked with G (GA20G).

TEHNIČKE KARAKTERISTIKE TECHNICAL DATA

**GA20
GA20H**

Nazivni izolacijski napon Rated insulation voltage	U _i	IEC/VDE/BS UL/CSA	V	690
	1)		V	600
Nazivni udarni podnosivi napon Rated impulse withstand voltage	U _{imp}	IEC-60947 (III/3)	kV	6
Nazivna termička struja Rated thermal current	I _{th}	IEC/VDE/BS UL/CSA	A	20
			A	15
Glavna sklopka Main switch	1)	Najveća vrijednost nazivnog pogonskog napona Max. value of rated operational voltage	V	480
		Nazivni udarni podnosivi napon Rated impulse withstand voltage	kV	4
Max. veličina osigurača za zaštitu od kratkog spoja Max. fuse size for short circuit protection	I _n (gG/gL)	10 kA 25 kA	A	20
			A	20
Nazivna kratkotrajno podnosiva struja Rated short-time withstand current	I _{cw}	1 sec	A	220
Nazivna pogonska struja Rated operational current	I _e	AC1/AC21A IEC/VDE/BS	A	20
	AC3	IEC/VDE/BS 3 faze 3 phase	220 - 240 V 380 - 440 V 500 - 690 V	kW kW kW
				3 5,5 5,5
Motorska sklopka za kategoriju upotrebe Motor switch in utilization category	1 faza, 2 pola 1 phase, 2 pole		120 V 230 V 400 V	kW kW kW
				0,6 2,2 3
	AC23A	IEC/VDE/BS 3 faze 3 phase	220 - 240 V 380 - 440 V 500 - 690 V	kW kW kW
				3,7 7,5 7,5
	1 faza, 2 pola 1 phase, 2 pole		120 V 230 V 400 V	kW kW kW
				0,75 2,2 3,7
Motorska sklopka Motor switch	DOL	UL/CSA 3 faze 3 phase	110 V 240 V 480 V 600 V	HP HP HP HP
				1,5 2,0 5,0 5,0
Mehanička trajnost Mechanical durability		Broj uklapa Switching cycles		1 x 10 ⁶
Priključni vijak Terminal screw			M	3
Moment pritezanja priključnog vijka Terminal screw	(IEC)		Nm	0,5
Gubici Power dissipation			W	1
Presjek vodiča Conductor size	max. r/f		2 x mm ² AWG	2,5/25 12/14
	r = kruti, višezilni / rigid f = finožičani / flexibl	min. r/f	2 x mm ² AWG	0,5/0,5 20/20

¹⁾ vrijedi za mreže sa uzemljenim zvjezdištem, prenaponska kategorija III, stupanj zagađenja 3
¹⁾ valid for neutral earthed systems, overvoltage category III, pollution degree 3.

POTVRDA APPROVAL

USA


Kontaktni sustav Contact system



U - Ugradna sklopka Front mounting

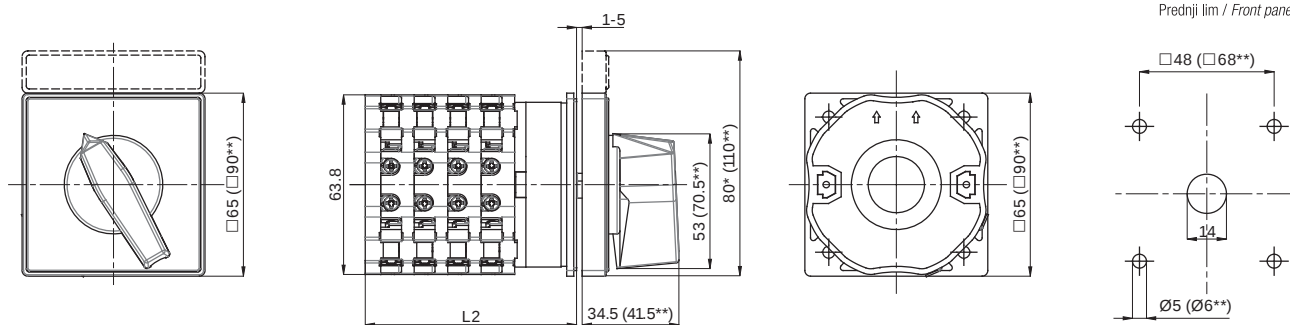


O - Sklopka za odvojenu ugradnju Rear mounting

MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

U - Ugradna sklopka *Front mounting*

Plan bušenja / Drilling plan
Prednji lim / Front panel



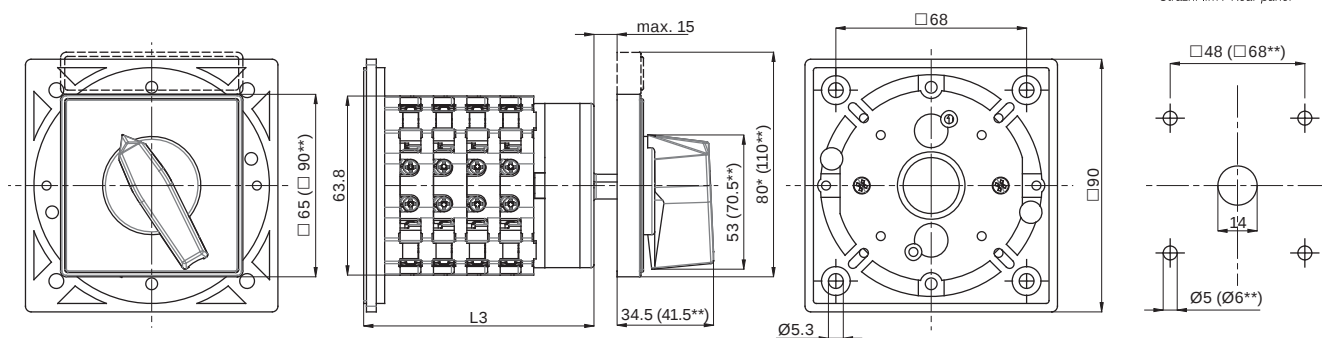
*Prednja ploča s natpisom
*Front plate with title

** Veći prednji sklop (H)
** Bigger front part (H)

Broj elemenata				L2				Number of elements			
1	2	3	4	5	6	7	8	9	10	11	12
39,5	51,5	63,5	75,5	87,5	99,5	111,5	123,5	135,5	147,5	159,5	171,5

O - Sklopka u odvojenu ugradnju *Rear mounting*

Plan bušenja / Drilling plan
Stražnji lim / Rear panel



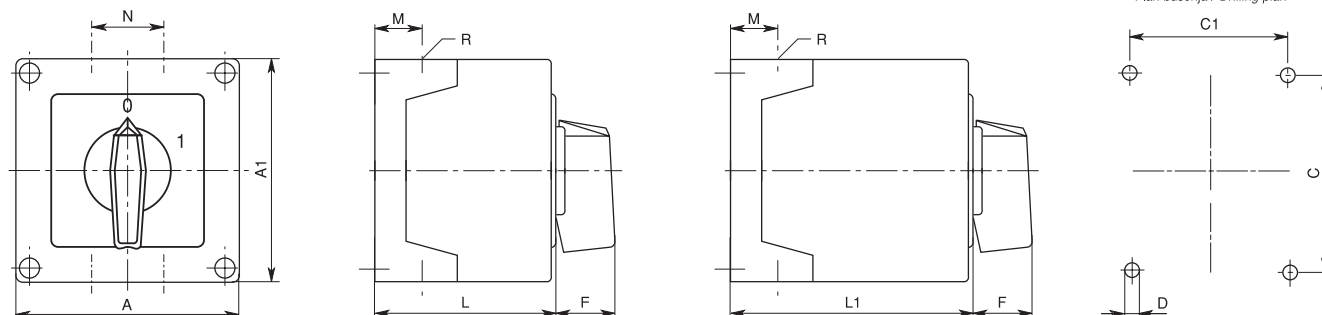
*Prednja ploča s natpisom
*Front plate with title

** Veći prednji sklop (H)
** Bigger front part (H)

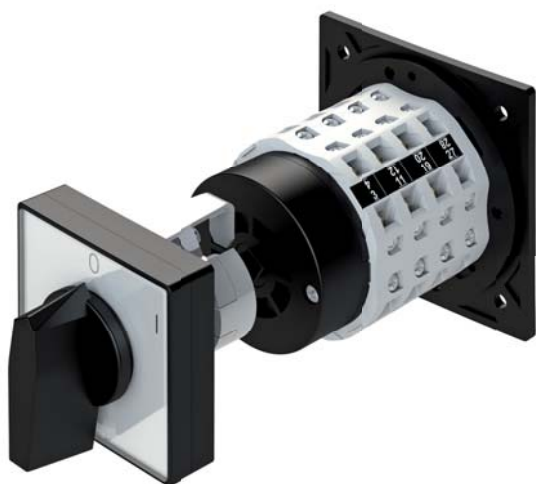
Broj elemenata				L3				Number of elements			
1	2	3	4	5	6	7	8	9	10	11	12
46,5	58,5	70,5	82,5	94,5	106,5	118,5	130,5	142,5	154,5	166,5	178,5

P - Sklopka u plastičnom kućištu *Switch in plastic enclosure*

Plan bušenja / Drilling plan



Veličina kućišta Enclosure size	Broj elemenata Number of elements		A	A1	C	C1	D	F	M	N	L	L1	Zaštita Protection	Uvodnice Conduit entries	
	L	L1												R(Pg)	R(M...x1,5)
110x110	1-3	4-6	110	110	98,4	83	4,5	32	21	39,5	85,5	119,5	IP65	4xPg21	ii / or 4xM25
125x175	1-3	4-6	125	175	146	112	5,5	32	21	68	84,3	118,3	IP65	4xPg21+2xPg11	ii / or 4xM25+2xM16



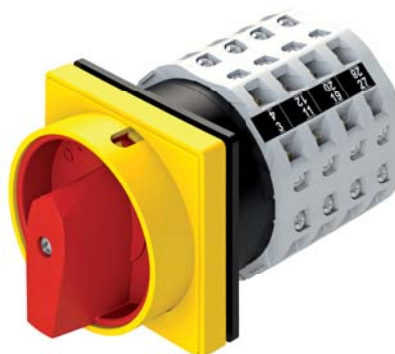
Spojka za vrata
Door coupling



Produženje osovine i spojka za vrata
Extension shaft and door coupling



Blokada položaja - dvoručno upravljanje
Blockade of positions - two hand operating

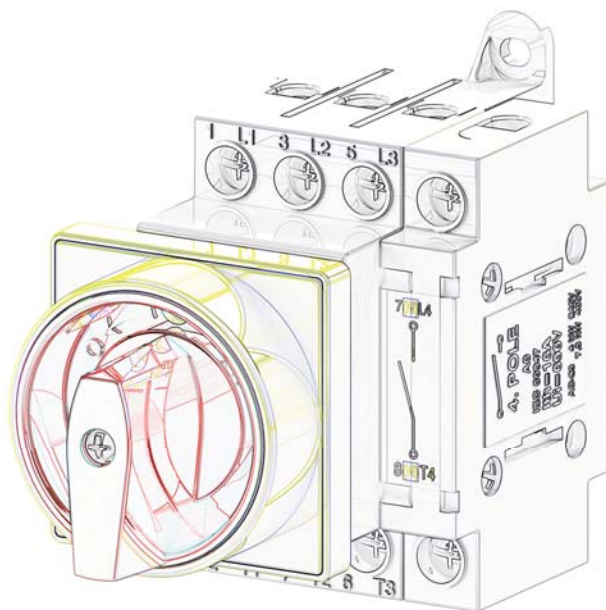


Sklopka sa zaključavanjem
Switch with locking

Rastavne sklopke

Switch disconnectors

CS





RASTAVNE SKLOPKE serije CS

Sklopke serije CS razvijene su prema najsuverenijim principima i dostignućima na području sklopnih aparata uz upotrebu visoko-kvalitetnih materijala i kontakata od srebrnih legura. Modularna konstrukcija sklopke omogućava naknadnu dogradnju sklopke, što znatno utječe na sniženje troškova skladištenja.

Prigradnje koje se mogu pričvrstiti na osnovnu sklopku s lijeve i/ili desne strane:

- 4. pol (N-pol)
- pomoćni kontakti 1NO + 1NC
- pomoćni kontakti 2NO
- stezaljka za uzemljenje
- stezaljka za N vodič

Zbog povećanih izolacijskih razmaka između otvorenih kontakata, sklopke CS serije su naročito pogodne za korištenje kao glavne sklopke i sklopke za nužno isklapanje.

Sklopke serije CS udovoljavaju normama IEC 60947-1,-3, IEC 60204, DIN EN 61058, UL 508, C22.2 No.14 itd.

Karakteristike:

- Tri ugradne (dimenzijske) veličine:
A0 veličina (16-25-32-40 A)
A1 veličina (40-63-80 A)
A2 veličina (100-125-160-200 A)
- Stupanj mehaničke zaštite - prednji sklop IP65, priključnice IP20 (za sklopke CS40-200 izvedba sa zaštitnim poklopcem priključnica)
- Pozitivno otvaranje kontakata (IEC 60947-5-1 Annex K)
- Obuhvatne stezaljke su u otvorenom položaju tako da je olakšano ožičenje sklopke.
- Montaža sklopke na DIN šinu ili pomoću vijaka
- Kod sklopki gdje se traži prednji sklop veći od standardnog, sklopke imaju oznaku **H** (npr. CS25H)

SWITCH DISCONNECTORS series CS

Switch disconnectors series CS have been developed to the latest achievements in the field of switching devices through the application of quality insulation materials and contacts made with silver alloys. Modular construction allows subsequent changes, so stocking costs can be lowered.

Elements that can be fixed to the left and/or right side of the switch:

- fourth pole (N-pole)
- auxiliary contacts 1NO + 1NC
- auxiliary contacts 2NO
- PE terminal
- N terminal

Because of the larger opening clearances the switches series CS are particularly suitable for main switches (switch disconnectors) and safety switches (emergency-off switches).

Switches series CS are built in accordance with the following standards: IEC 60947-1,-3, IEC 60204, DIN EN 61058, UL 508, C22.2 No.14 etc.

General:

- Three modular frame sizes:
A0 size (16-25-32-40 A)
A1 size (40-63-80 A)
A2 size (100-125-160-200 A)
- Mechanical protection degree - front part IP65, connection terminals IP20 (for switches CS40-200 option with protection cover is required)
- Positive contacts opening (IEC 60947-5-1 Annex K)
- Loosely screwed "self-lifting" clamps offer easier connection
- DIN-rail or screw mounting
- At the switches where is front part bigger than standard size required, the switches are marked with **H** (e.g. CS25H)

POTVRDE APPROVALS

	CS16 CS16H	CS25 CS25H	CS32 CS32H	CS40R CS40RH	CS40	CS63	CS80	CS100	CS125	CS160	CS200
	■	■	■	■	■	■	■	■	■	■	■
	■	■	■	■	■	■	■				

TIP SKLOPKE SWITCH TYPE				CS16 CS16H	CS25 CS25H	CS32 CS32H	CS40R CS40RH	CS40	CS63	CS80	CS100	CS125	CS160	CS200
Nazivni izolacijski napon Rated insulation voltage	U _i	(IEC 60947) (UL/CSA)	V	690	690	690	690	690	690	690	1000 ⁽²⁾	1000 ⁽²⁾	1000 ⁽²⁾	1000 ⁽²⁾
			V	600	600	600	600	600	600	600	-	-	-	-
Nazivni udarni podnosivi napon Rated impulse withstand voltage	U _{imp}	(III/3) ⁽¹⁾	kV	6	6	6	6	6	6	6	8	8	8	8
Nazivna termička struja Rated thermal current	I _{th}	(IEC 60947) (UL/CSA)	A	16	25	32	40	40	63	80	100	125	160	200
			A	20	30	40	50	50	65	85	-	-	-	-
Nazivna kratkotrajna podnosiva struja Rated short-time withstand current	I _{cw}	/ 1 sec.	A	400	500	600	600	1100	1300	1400	2600	2800	3000	3000
Max. veličina osigurača za zaštitu od kratkog spoja Max. fuse size for short circuit protection	I _n gG charac.	10 kA	A	35	35	35	40	80	80	80	160	160	160	200
		25 kA	A	32	32	32	32	63	63	63	160	160	160	160
		50 kA	A	32	32	32	32	63	63	63	160	160	160	160
Nazivna pogonska struja Rated operational current	I _e	AC1/AC21A	A	16	25	32	40	40	63	80	100	125	160	200
Motorska sklopka za kateg. upotrebe Motor switch in utilization category	AC3 IEC/VDE/BS 3 faze 3 phase	220/240 V	kW	3,7	5,5	7,5	7,5	11	11	15	30	33	37	37
		380/440 V	kW	5,5	7,5	11	11	15	22	25	55	59	63	63
		500 V	kW	7,5	11	15	15	22	25	30	59	63	75	75
		690 V	kW	7,5	11	15	15	22	25	25	40	45	45	45
	AC23 IEC/VDE/BS 3 faze 3 phase	220/240 V	kW	4	7,5	9	9	11	15	18,5	30	37	40	40
		380/440 V	kW	7,5	11	15	15	18,5	25	30	59	63	75	75
		500 V	kW	9	15	15	15	22	30	37	63	75	80	80
		690 V	kW	9	15	15	15	25	30	30	51	55	55	55
	DOL UL/CSA 3 faze 3 phase	120 V	kW	3	3	5	5	7,5	7,5	7,5				
		240 V	kW	5	7,5	10	10	15	15	15				
		480 V	kW	10	15	20	20	25	30	30				
		600 V	kW	10	15	15	15	30	30	40				
Presjek vodiča Conductor size	r = jednožilni / rigid f = višezilni / flexible	max. r/f	mm ² AWG	10/6 8/10	10/6 8/10	10/6 8/10	10/6 8/10	25/16 4/6	25/16 4/6	25/16 4/6	70/50 00/0	70/50 00/0	70/50 00/0	95/70 ⁽³⁾ 000/11 ⁽³⁾

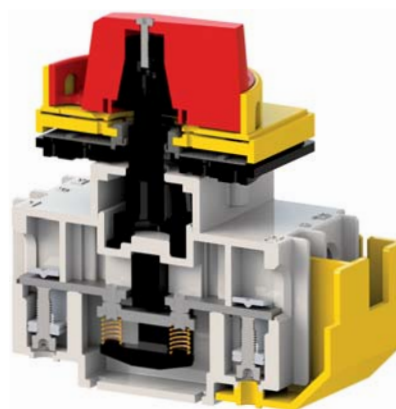
(1) vrijedi za mreže sa uzemljenim zvjezdastim, prenaponska kategorija III, stupanj zagađenja 3 / valid for neutral earthed systems, overvoltage category III, pollution degree 3

(2) iznad 690 V samo za kategoriju upotrebe AC20A / suitable for no load switching applications (AC20A) above 690 V

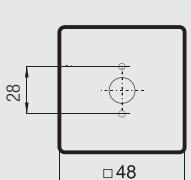
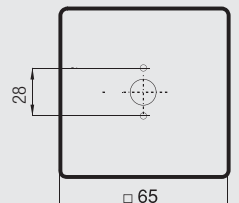
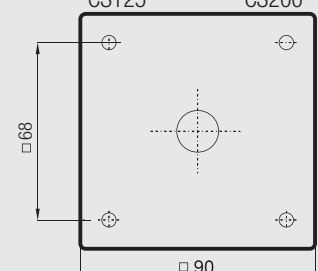
(3) kabelski priključak / cable lug

POMOĆNI KONTAKTI AUXILIARY CONTACTS

Nazivni izolacijski napon <i>Rated insulation voltage</i>	U_i	(IEC 60947)	V	690
Nazivna termička struja <i>Rated thermal current</i>	I_{th}	(IEC 60947)	A	10
Nazivna pogonska struja <i>Rated operational current</i>	I_e	110 V	A	8
		220 - 240 V	A	8
		AC15 380 - 400 V	A	3
		660 - 690 V	A	1
Moment pritezanja priključnog vijka <i>Terminal tightening torque</i>		IEC	Nm	0,4
Presjek vodiča <i>Conductor size</i>	r = jednožilni / <i>rigid</i> f = višezilni / <i>flexible</i>	max. r/f	mm ² AWG	1,5/1,5 14/14



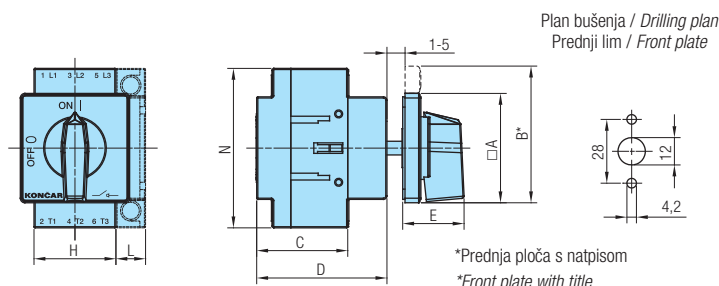
UGRADNE VELIČINE MOUNTING SIZES

A0	A1	A2
CS16 CS25 CS32 CS40R	CS16H CS25H CS32H CS40RH CS40 CS63 CS80	CS100 CS125 CS160 CS200
		

MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

CS16, CS25, CS32, CS40R, CS40, CS63, CS80

U - Ugradna sklopka *Front mounting*

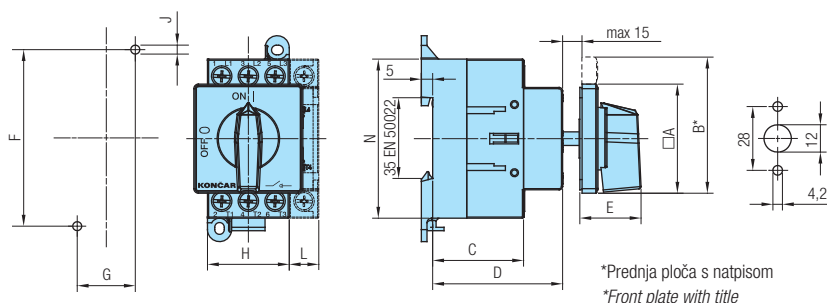


Tip/Type	Oznaka / Marking						
	A	B	C	D	E	H	N
CS16							
CS25	48	60	40	57	26,5	36	70
CS32							
CS40R							
CS40							
CS63	65	80,5	40	57	34,5	54	76
CS80							

O - Sklopka za odvojenu ugradnju *Rear mounting*

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

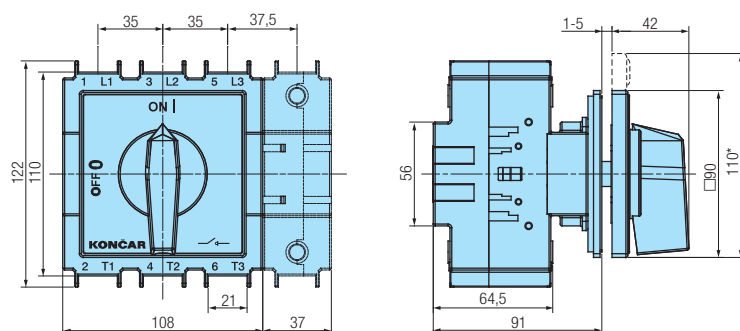
Plan bušenja / Drilling plan
Prednji lim / Front plate



Tip/Type	Oznaka / Marking										
	A	B	C	D	E	F	G	H	ØJ	L	N
CS16											
CS25	48	60	40	57	26,5	78	25	36	4,5	13,5	70
CS32											
CS40R											
CS40											
CS63	65	80,5	40	57	34,5	88	40	54	5,5	18	76
CS80											

CS100, CS125, CS160

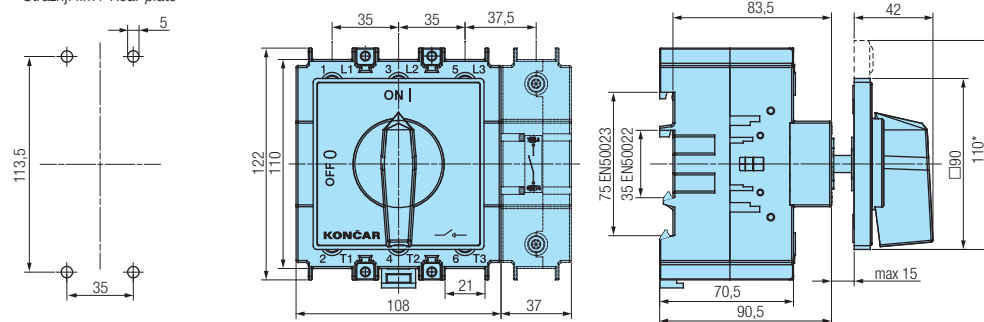
U - Ugradna sklopka *Front mounting*



O - Sklopka za odvojenu ugradnju *Rear mounting*

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

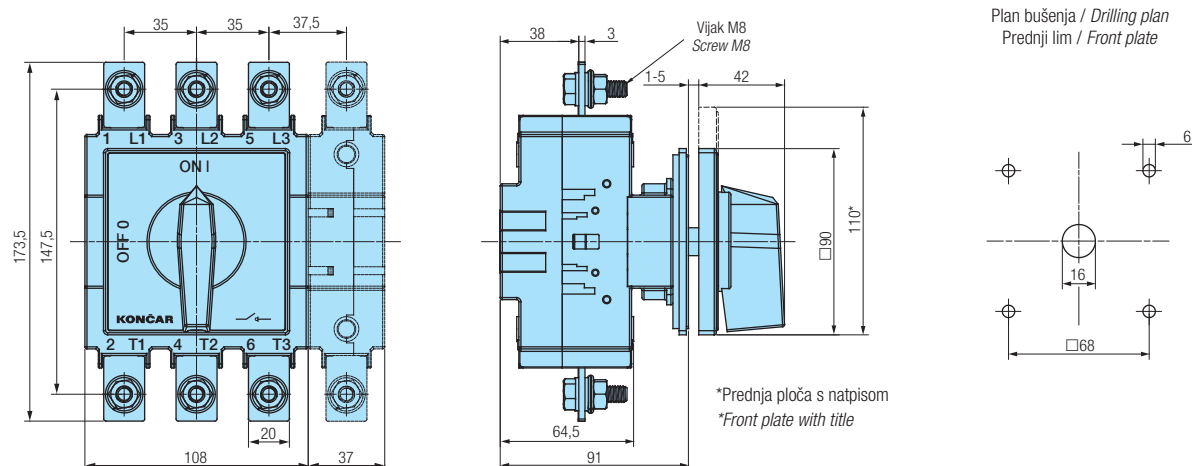
Plan bušenja / Drilling plan
Prednji lim / Front plate



MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

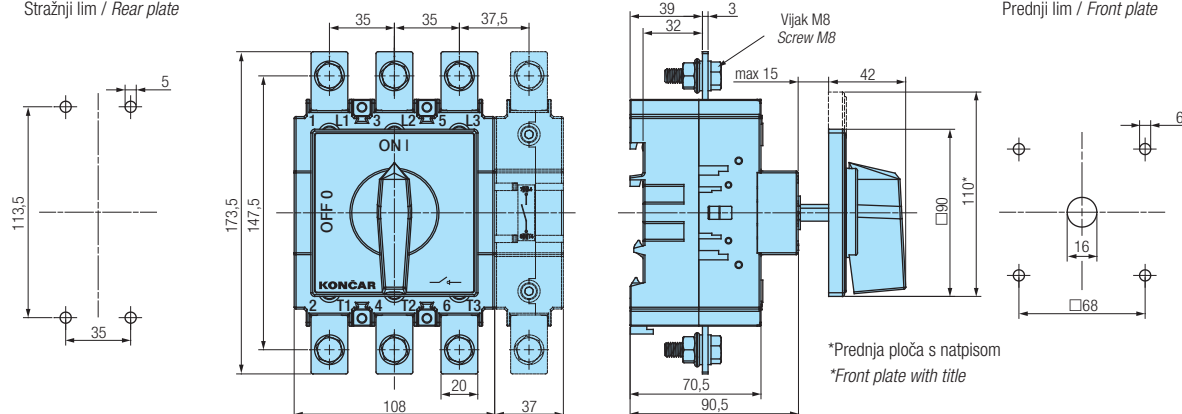
CS200

U - Ugradna sklopka *Front mounting*

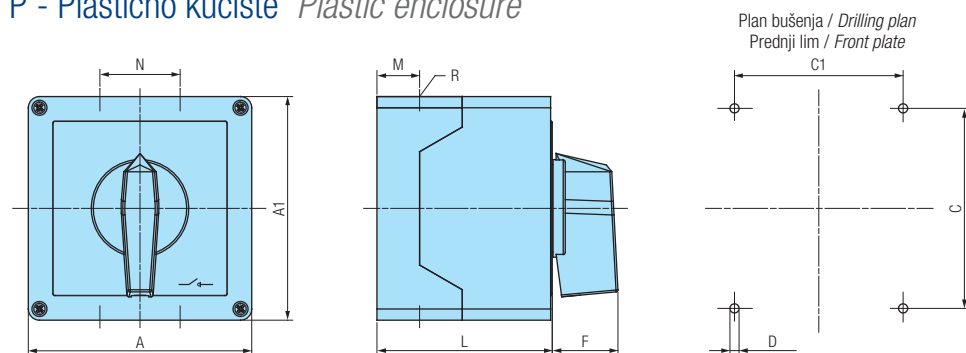


O - Sklopka za odvojenu ugradnju *Rear mounting*

Plan bušenja / Drilling plan
Stražnji lim / Rear plate



P - Plastično kućište *Plastic enclosure*



Tip/ Type	Veličina kućišta Enclosure size	Tip kućišta Enclosure type	Oznaka / Marking									Zaštita Protection	Uvodnice / Conduit entries		
			A	A1	C	C1	D	F	M	N	L		R (Pg)		R (M...x1,5)
CS16 CS25 CS32 CS40R	110 x 110	NEMA Type 4X	110	110	98,4	83	4,5	32	21	39,5	85,5	IP65	4 x Pg21	ili / or	4 x M25
CS40 CS63 CS80	125 x 175	NEMA Type 4X	125	175	146	112	5,5	32	21	68	84,3	IP65	4 x Pg21+ 2Pg11 ili / or 4 x M25 + 2 x M16		
CS100 CS125 CS160 CS200	215 x 295	-	215	295	240	160	5	43	32	110	147,5	IP65	6 x Pg16 ili/or 6 x Pg21 ili/or 6 x Pg29	- -	

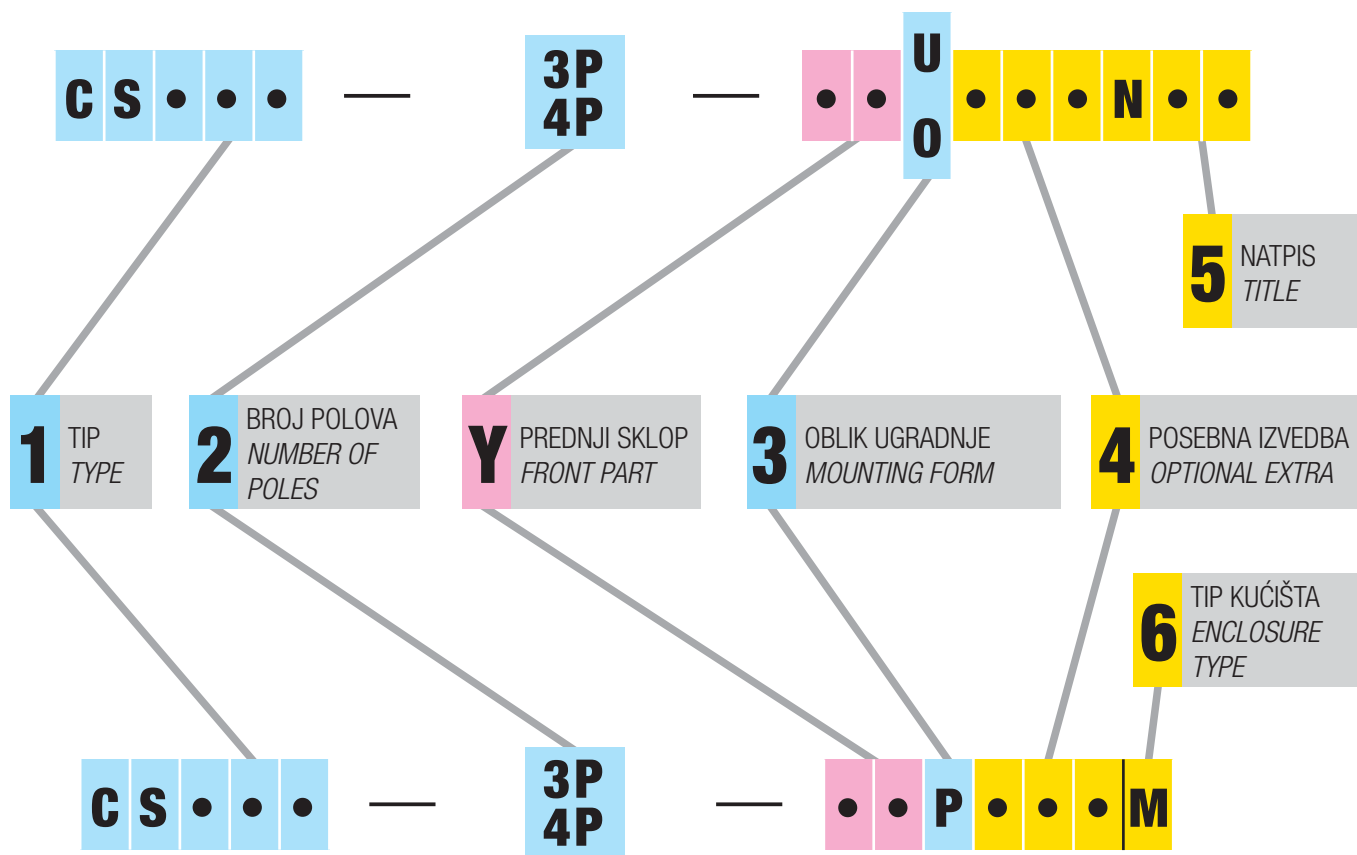
NARUDŽBENI KOD ORDERING CODE

Prilikom naručivanja sklopke potrebno je definirati:

- za **standardnu rastavnu sklopku** 3 tipa podataka **1 2 3**
- za sklopke s **posebnom izvedbom** maksimalno 5 tipova podataka **1 2 3 4 5** ili **1 2 3 4 6**
- za sklopku sa **specijalnim zahtjevima** maksimalno 6 tipova podataka **1 2 3 4 5 Y** ili **1 2 3 4 6 Y**

When ordering please define:

- for **standard switch disconnecter** three data types **1 2 3**
- for switch with an **optional extra** max. 5 data types **1 2 3 4 5** or **1 2 3 4 6**
- for switch with **special requests** max. 6 data types **1 2 3 4 5 Y** or **1 2 3 4 6 Y**



OPIS

DESCRIPTION

1	Tip sklopke. Odabire se prema tehničkim zahtjevima i ugradbenoj veličini (vidi stranicu 117).	Switch type. To be chosen in accordance with the technical requests and mounting size (see page 117).
2	Broj polova	Number of poles
Y	Prednji sklop. Upisuje se samo ako se traži nestandardna kombinacija boja i oblika prednjeg sklopa. Kod standardne izvedbe ručica, prednja ploča i tekst na sivoj podlozi su crni.	Front part. To be marked only when non-standard front part colour and form combination is required. For standard form - handle, front plate and text on the silver escutcheon plate are black.
3	Standardni oblici ugradnje (vidi stranicu 121) U - ugradna O - odvojena ugradnja P - plastično kućište	Standard mounting forms (see page 121) U - front mounting O - rear mounting P - plastic enclosure
4	Upisuje se ako se traži posebna izvedba (vidi stranice 122 - 133).	To be marked when an optional extra is required (see pages 122 - 133).
5	"N" se upisuje ako se traži prednja ploča s natpisom.	"N" is to be written when the front plate with a title is required.
6	Kućišta se standardno isporučuju za kableske uvodnice tipa Pg. Za metričke kableske uvodnice potrebno je upisati "M".	Enclosures are supplied as standard for cable glands type Pg. For metric cable glands is necessary to enter "M".

Y - PREDNJI SKLOP *FRONT PART*

Tablice prikazuju moguće kombinacije boja prednjeg sklopa i pripadajuće kodne oznake. Prva linija odnosi se na **standardnu** kombinaciju za koju nije potrebno upisivati kod.

The tables show possible front part colour combinations and corresponding codes to be marked. The first line refers to the **standard** combination for which no code is to be marked.

1. OBLIK UGRADNJE:

Ugradna sklopka (U) ili sklopka za odvojenu ugradnju (O).

1. MOUNTING FORM:

Front mounting (U) or rear mounting (O).

				KOD / CODE		
Ručica <i>Handle</i>	Prednja ploča <i>Front plate</i>	Podloga <i>Escutch. plate</i>	Tekst <i>Text</i>	Y	Prednji sklop <i>Front part</i>	3 Oblik ugradnje <i>Mounting form</i>
crna <i>black</i>	crna <i>black</i>	siva <i>grey</i>	crna <i>black</i>			
crna <i>black</i>	crna <i>black</i>	bijela <i>white</i>	crna <i>black</i>		10	U ili / or O
crna <i>black</i>	crna <i>black</i>	crna <i>black</i>	bijela <i>white</i>		20	
siva <i>grey</i>	siva <i>grey</i>	siva <i>grey</i>	crna <i>black</i>		30	
siva <i>grey</i>	siva <i>grey</i>	bijela <i>white</i>	crna <i>black</i>		40	

PRIMJER: Za tropolnu rastavnu sklopku CS16, standardna kombinacija boja, ugradna, narudžbena oznaka glasi:

EXAMPLE: For 3 poles switch disconnector CS16, standard colour combination, front mounting, the ordering code is:

CS16 - 3P - U

Ista rastavna sklopka, ali sa sivom ručicom, sivom prednjom pločom, bijelom podlogom i crnim tekstom ima narudžbenu oznaku:

The same switch disconnector but with grey handle, grey front plate, white escutcheon plate, black text, has the ordering code:

CS16 - 3P - 40 U

NAPOMENA: za specijalne izvedbe 06, 06D, 41/42, 41D, 48/48D, 56, 71/72, 76/77, 85 i 87 kombinacije boja su opisane u poglavlju POSEBNE IZVEDBE

REMARK: for optional extras 06, 06D, 41/42, 41D, 48/48D, 56, 71/72, 76/77, 85 and 87 combination of colours are described in the head OPTIONAL EXTRAS

STANDARDNI OBLICI UGRADNJE *STANDARD MOUNTING FORMS*

Oblik ugradnje <i>Mounting form</i>	Oznaka <i>Marking</i>	Zaštita <i>Protection</i>		Tip <i>Type</i>	Izgled <i>Outlook</i>
		Prednja <i>Front</i>	Stražnja <i>Rear</i>		
Ugradna sklopka <i>Front mounting</i>	U	IP 65	IP 20	CS16 CS16H CS25 CS25H CS32 CS32H CS40R CS40RH	
			IP 00	CS40 CS63 CS80 CS100 CS125 CS160 CS200	
Sklopka za odvojenu ugradnju <i>Rear mounting</i>	O	IP 65	IP 20	CS16 CS16H CS25 CS25H CS32 CS32H CS40R CS40RH	
			IP 00	CS40 CS63 CS80 CS100 CS125 CS160 CS200	
Sklopka u plastičnom kućištu <i>Switch in plastic enclosure</i>	P	IP65 IP65 IP65 IP65 IP65 IP65 IP65		CS16 CS16H CS25 CS25H CS32 CS32H CS40R CS40RH CS40 CS63 CS80 CS100 CS125 CS160 CS200	

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SKLOPKE SA ZAKLJUČAVANJEM LOKOTOM SWITCH DISCONNECTORS WITH PADLOCK



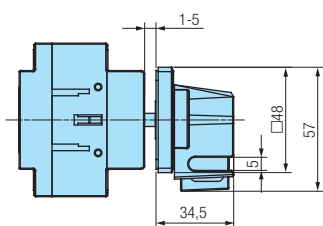
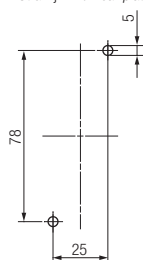
56

Standardno zaključavanje u "0". Moguća zaključavanja s 1 - 3 lokota.

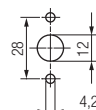
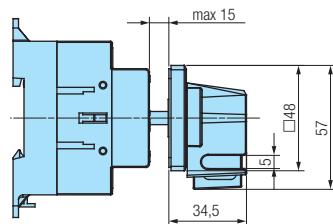
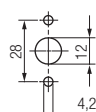
In standard manner locking is in "0". It is possible to use 1 - 3 padlocks.

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	siva / grey	
siva / grey	siva / grey	siva / grey	20
crvena - žuta / red - yellow	žuta / yellow	žuta / yellow	40

Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Plan bušenja / Drilling plan
Prednji lim / Front plate



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type
CS16
CS25
CS32
CS40R



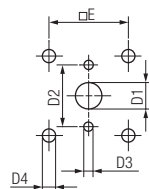
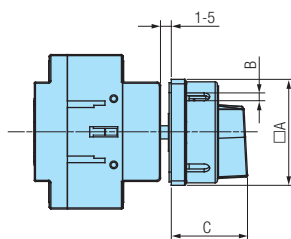
06

Standardno zaključavanje u "0"

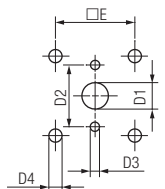
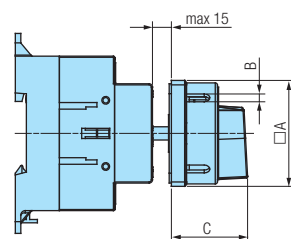
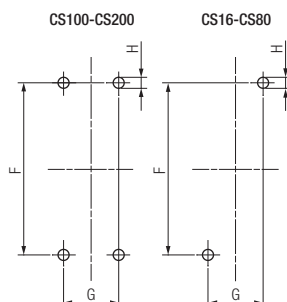
In standard manner locking is in "0"

RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
crna / black	crna / black	crna / black	
siva / grey	siva / grey	siva / grey	20
crvena / red	žuta / yellow	žuta / yellow	40

Plan bušenja / Drilling plan
Prednji lim / Front plate



Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type	□A	B	C	D1	D2	D3	D4	□E
CS16	48	5	34,2	12	28	4,2	-	-
CS16H	65	6	38	12	28	4,2	-	-
CS25	48	5	34,2	12	28	4,2	-	-
CS25H	65	6	38	12	28	4,2	-	-
CS32	48	5	34,2	12	28	4,2	-	-
CS32H	65	6	38	12	28	4,2	-	-
CS40R	48	5	34,2	12	28	4,2	-	-
CS40RH	65	6	38	12	28	4,2	-	-
CS40	65	6	38	12	28	4,2	-	-
CS63	65	6	38	12	28	4,2	-	-
CS80	65	6	38	12	28	4,2	-	-
CS100	90	7	49	16	-	-	6	68
CS125	90	7	49	16	-	-	6	68
CS160	90	7	49	16	-	-	6	68
CS200	90	7	49	16	-	-	6	68

Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type	□A	B	C	D1	D2	D3	D4	□E	F	G	H
CS16	48	5	34,2	12	28	4,2	-	-	78	25	5
CS16H	65	6	38	12	28	4,2	-	-	78	25	5
CS25	48	5	34,2	12	28	4,2	-	-	78	25	5
CS25H	65	6	38	12	28	4,2	-	-	78	25	5
CS32	48	5	34,2	12	28	4,2	-	-	78	25	5
CS32H	65	6	38	12	28	4,2	-	-	78	25	5
CS40R	48	5	34,2	12	28	4,2	-	-	78	25	5
CS40RH	65	6	38	12	28	4,2	-	-	78	25	5
CS40	65	6	38	12	28	4,2	-	-	88	40	6
CS63	65	6	38	12	28	4,2	-	-	88	40	6
CS80	65	6	38	12	28	4,2	-	-	88	40	6
CS100	90	7	49	16	-	-	6	68	113,5	35	5
CS125	90	7	49	16	-	-	6	68	113,5	35	5
CS160	90	7	49	16	-	-	6	68	113,5	35	5
CS200	90	7	49	16	-	-	6	68	113,5	35	5

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

SKLOPKE SA ZAKLJUČAVANJEM LOKOTOM SWITCH DISCONNECTORS WITH PADLOCK

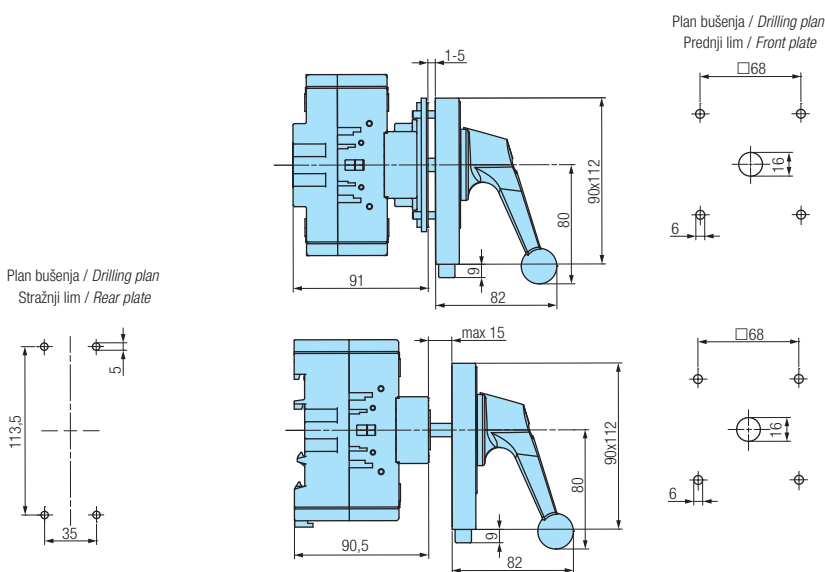
**06D**

Standardno zaključavanje u "0". Moguća zaključavanja s 1 - 4 lokota.

In standard manner locking is in "0". It is possible to use 1 - 4 padlocks

IP40

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	siva / grey	
siva / grey	siva / grey	siva / grey	20
crvena / red	žuta / yellow	žuta / yellow	40



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type
CS100
CS125
CS160
CS200

Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type
CS100
CS125
CS160
CS200

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

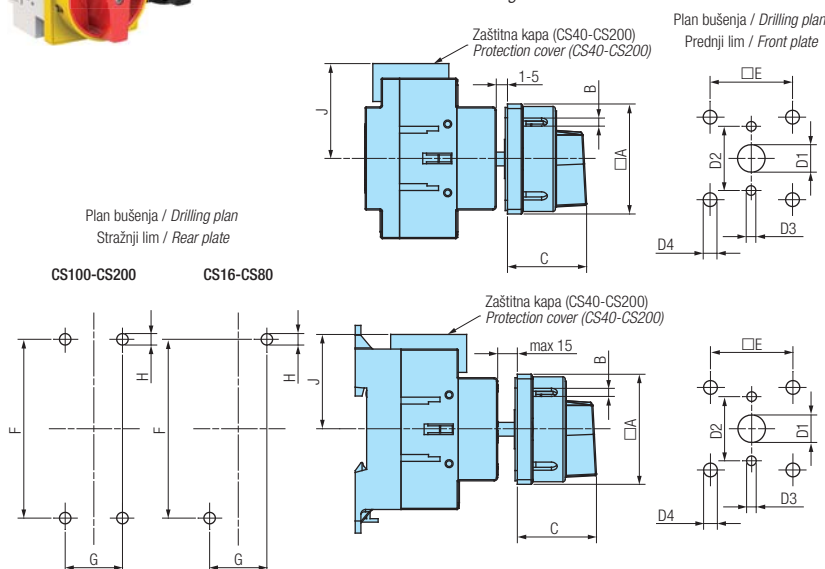
**23
25**

Zaključavanje samo u "0".

Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom.

Locking only in "0".

Protection against an accidental contact with the supplying terminals under voltage.



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type	□A	B	C	D1	D2	D3	D4	□E	J
CS16	48	5	34,2	12	28	4,2	-	-	-
CS16H	65	6	38	12	28	4,2	-	-	-
CS25	48	5	34,2	12	28	4,2	-	-	-
CS25H	65	6	38	12	28	4,2	-	-	-
CS32	48	5	34,2	12	28	4,2	-	-	-
CS32H	65	6	38	12	28	4,2	-	-	-
CS40R	48	5	34,2	12	28	4,2	-	-	-
CS40RH	65	6	38	12	28	4,2	-	-	-
CS40	65	6	38	12	28	4,2	-	-	50
CS63	65	6	38	12	28	4,2	-	-	50
CS80	65	6	38	12	28	4,2	-	-	50
CS100	90	7	49	16	-	-	6	68	76
CS125	90	7	49	16	-	-	6	68	76
CS160	90	7	49	16	-	-	6	68	76
CS200	90	7	49	16	-	-	6	68	76

Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type	□A	B	C	D1	D2	D3	D4	□E	F	G	H	J
CS16	48	5	34,2	12	28	4,2	-	-	78	25	5	-
CS16H	65	6	38	12	28	4,2	-	-	78	25	5	-
CS25	48	5	34,2	12	28	4,2	-	-	78	25	5	-
CS25H	65	6	38	12	28	4,2	-	-	78	25	5	-
CS32	48	5	34,2	12	28	4,2	-	-	78	25	5	-
CS32H	65	6	38	12	28	4,2	-	-	78	25	5	-
CS40R	48	5	34,2	12	28	4,2	-	-	78	25	5	-
CS40RH	65	6	38	12	28	4,2	-	-	78	25	5	-
CS40	65	6	38	12	28	4,2	-	-	88	40	6	50
CS63	65	6	38	12	28	4,2	-	-	88	40	6	50
CS80	65	6	38	12	28	4,2	-	-	88	40	6	50
CS100	90	7	49	16	-	-	6	68	113,5	35	5	76
CS125	90	7	49	16	-	-	6	68	113,5	35	5	76
CS160	90	7	49	16	-	-	6	68	113,5	35	5	76
CS200	90	7	49	16	-	-	6	68	113,5	35	5	150

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

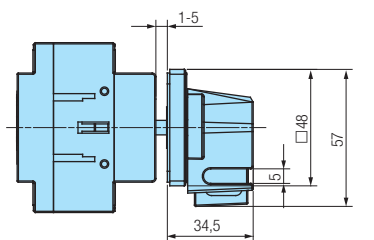
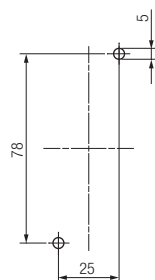


73
75

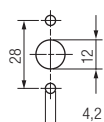
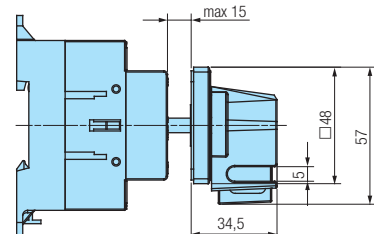
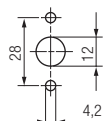
Zaključavanje (1 - 3 lokota) samo u "0". Zaštita od slučajnog dodira dovodnih stezaljki pod naponom.

Locking (1 - 3) only in "0". Protection against an accidental contact with the supplying terminals under voltage.

Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Plan bušenja / Drilling plan
Prednji lim / Front plate



Ugradna sklopka *Front mounting - U*

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

Sklopka za odvojenu ugradnju *Rear mounting - O*

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

GLAVNA SKLOPKA *MAIN SWITCH*

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE *MAIN SWITCH WITH EMERGENCY*

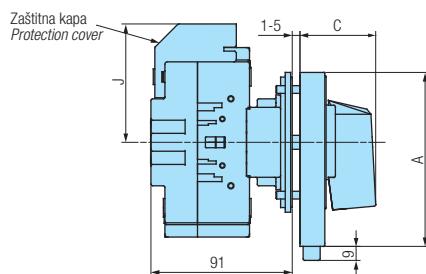
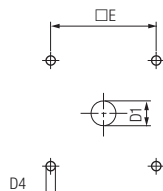


63D
65D

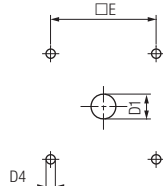
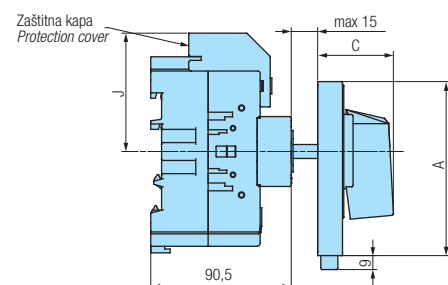
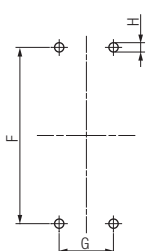
Standardno zaključavanje u "0". Zaštita od slučajnog dodira dovodnih stezaljki pod naponom.

In standard manner locking is in "0". Protection against an accidental contact with the supplying terminals under voltage.

Prednji lim / Front plate
Plan bušenja / Drilling plan



Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type	A	B	C	D1	D4	□E	J
CS100	90x112	5	48	16	6	68	76
CS125	90x112	5	48	16	6	68	76
CS160	90x112	5	48	16	6	68	76
CS200	90x112	5	48	16	6	68	150

Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type	A	B	C	D1	D4	□E	F	G	H	J
CS100	90x112	5	48	16	6	68	113,5	35	5	76
CS125	90x112	5	48	16	6	68	113,5	35	5	76
CS160	90x112	5	48	16	6	68	113,5	35	5	76
CS200	90x112	5	48	16	6	68	113,5	35	5	150

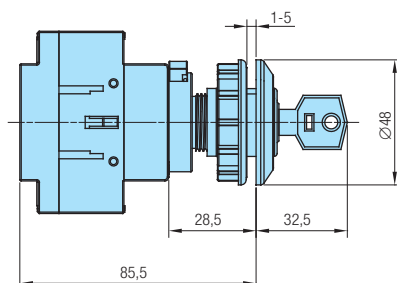
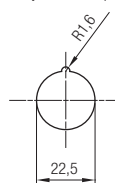
POSEBNE IZVEDBE *OPTIONAL EXTRAS*

CENTRALNA UGRADNJA CENTRAL MOUNTING

**29K**

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa.

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front plate.

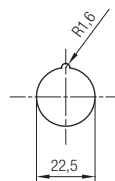
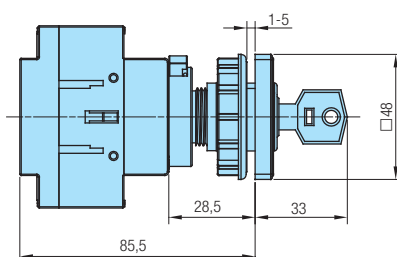
Plan bušenja / Drilling plan
Prednji lim / Front plateUgradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

**29D**

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa.

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front plate.

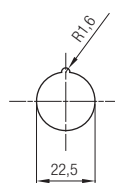
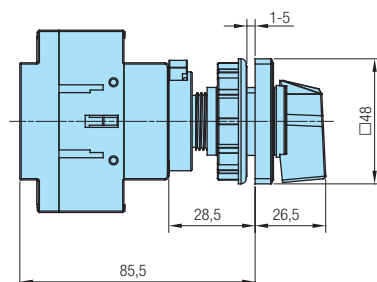
Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

**47**

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa.

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front plate.

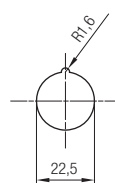
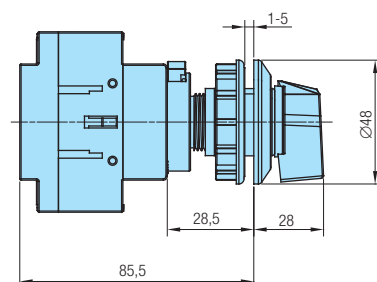
Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

**67**

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa.

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front plate.

Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

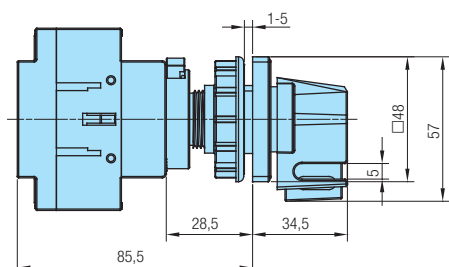
CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING



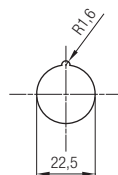
41D

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa. Zaključavanje (1 - 3 lokota) u "0".

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front part. Padlocking (1 - 3) in "0".



Prednji lim / Front plate
Plan bušenja / Drilling plan



RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	siva / gray	20
siva / grey	siva / grey	siva / gray	40
crvena - žuta / red - yellow	žuta / yellow	žuta / yellow	

Ugradna sklopka
Front mounting - U

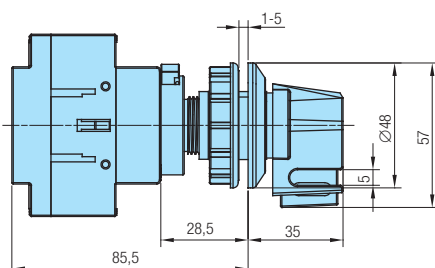
Tip sklopke Switch type
CS16
CS25
CS32
CS40R



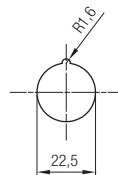
41K

Ugradnja u Ø22 mm. Utična montaža rastavne sklopke i prednjeg sklopa. Zaključavanje (1 - 3 lokota) u položaju "0".

Mounting into Ø22 mm. Snap-on mounting of switch-disconnector with front part. Padlocking (1 - 3) in "0".



Prednji lim / Front plate
Plan bušenja / Drilling plan



Ugradna sklopka
Front mounting - U

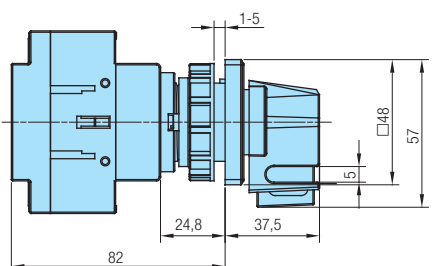
Tip sklopke Switch type
CS16
CS25
CS32
CS40R



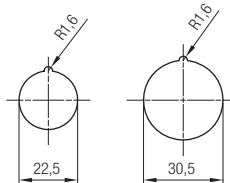
**71
72**

Ugradnja u Ø22 mm (izvedba 71) odnosno Ø30 mm (izvedba 72). Zaključavanje (1 - 3 lokota) u položaju "0".

Mounting into Ø22 mm (optional extra 71) or Ø30 mm (optional extra 72). Padlocking (1 - 3) in "0".



Prednji lim / Front plate
Plan bušenja / Drilling plan



Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

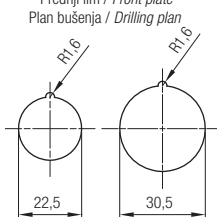
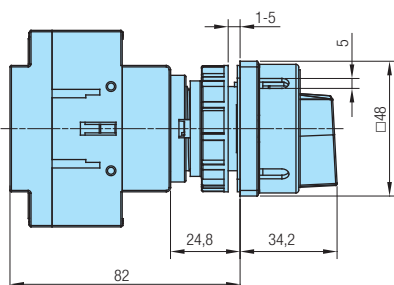


**76
77**

Ugradnja u Ø22 mm (izvedba 76) odnosno Ø30 mm (izvedba 77). Zaključavanje (1 - 3 lokota) u položaju "0".

Mounting into Ø22 mm (optional extra 76) or Ø30 mm (optional extra 77). Padlocking (1 - 3) in "0".

Prednji lim / Front plate
Plan bušenja / Drilling plan



RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
crna / black	crna / black	crna / black	20
siva / grey	siva / grey	siva / grey	40
crvena / red	žuta / yellow	žuta / yellow	

Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

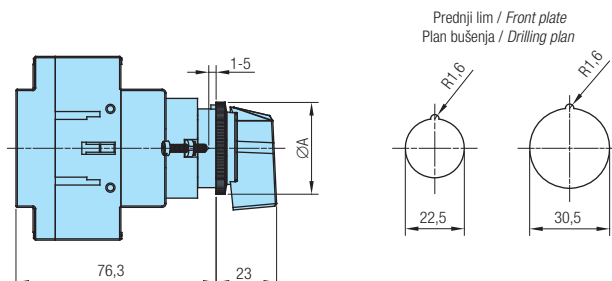
CENTRALNA UGRADNJA - SKLOPKE SA ZAKLJUČAVANJEM CENTRAL MOUNTING - SWITCHES WITH LOCKING


**11
09**

Ugradnja u Ø22 mm (izvedba 11) odnosno Ø30 mm (izvedba 09).

Mounting into Ø22 mm (optional extra 11) or Ø30 mm (optional extra 09).

IP40



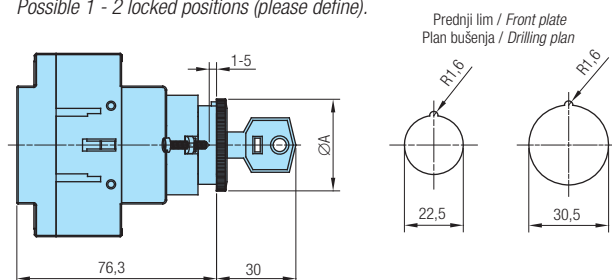
Ugradna sklopka Front mounting - U

Tip sklopke Switch type	11	09
CS16	28	35
CS25	28	35
CS32	28	35
CS40R	28	35


**12
10**

Ugradnja u Ø22 mm (izvedba 12) odnosno Ø30 mm (izvedba 10). Standardno zaključavanje odnosno vađenje ključa u položaju "0". Na zahtjev moguća 1 - 2 zaključana položaja (vađenje ključa) - potrebno definirati.

Mounting into Ø22 mm (optional extra 12) or Ø30 mm (optional extra 10). Locking and pull-out of the key in "0". Possible 1 - 2 locked positions (please define).



Ugradna sklopka Front mounting - U

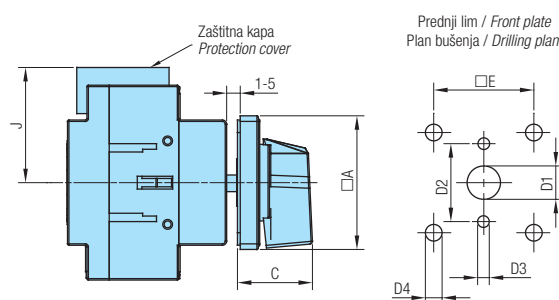
Tip sklopke Switch type	12	10
CS16	28	35
CS25	28	35
CS32	28	35
CS40R	28	35

ZAŠTITNA KAPA PROTECTION COVER


69

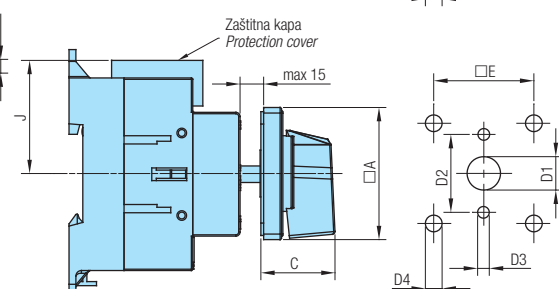
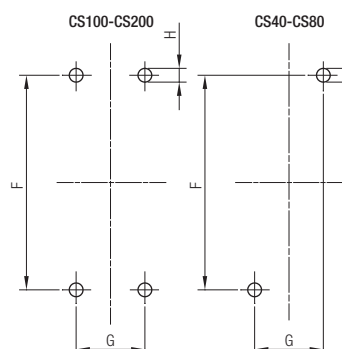
Zaštita od slučajnog dodira dovodnih priključnih stezaljki. Standardno - zaštita dovodnih priključnih stezaljki (gornja strana).

Protection against an accidental contact with the supplying terminals. Standard manner supplying terminals are protected (top side).



Ugradna sklopka / Front mounting - U

Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E	J
CS40	65	38	12	28	4,2	-	-	50
CS63	65	38	12	28	4,2	-	-	50
CS80	65	38	12	28	4,2	-	-	50
CS100	90	49	16	-	-	6	68	76
CS125	90	49	16	-	-	6	68	76
CS160	90	49	16	-	-	6	68	76
CS200	90	49	16	-	-	6	68	150



Sklopka za odvojenu ugradnju / Rear mounting - O

Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E	F	G	H	J
CS40	65	38	12	28	4,2	-	-	88	40	6	50
CS63	65	38	12	28	4,2	-	-	88	40	6	50
CS80	65	38	12	28	4,2	-	-	88	40	6	50
CS100	90	49	16	-	-	6	68	113,5	35	5	76
CS125	90	49	16	-	-	6	68	113,5	35	5	76
CS160	90	49	16	-	-	6	68	113,5	35	5	76
CS200	90	49	16	-	-	6	68	113,5	35	5	150

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

INSTALACIONA KAPA *SERVICE COVER*

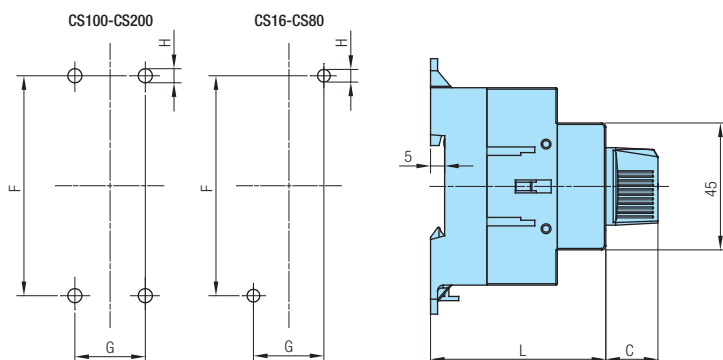


48D

Montaža na šinu 35 EN 50022 s instalacionom kapom za ugradnju u standardni otvor 45 mm.

Snap-on base mounting for the rail 35 EN 50022 for 45 mm standard knock-out.

Stražnji lim / Rear plate
Plan bušenja / Drilling plan



Sklopka za odvojenu ugradnju
Rear mounting - O

Tip sklopke Switch type	C	G	F	H	L
CS16	16	25	78	5	62
CS25	16	25	78	5	62
CS32	16	25	78	5	62
CS40R	16	25	78	5	62
CS40	26	40	88	6	62
CS63	26	40	88	6	62
CS80	26	40	88	6	62
CS100	23	35	113,5	5	90,5
CS125	23	35	113,5	5	90,5
CS160	23	35	113,5	5	90,5
CS200	23	35	113,5	5	90,5

RUČICA HANDLE	Y KOD / CODE
crna / black	
crvena / red	40

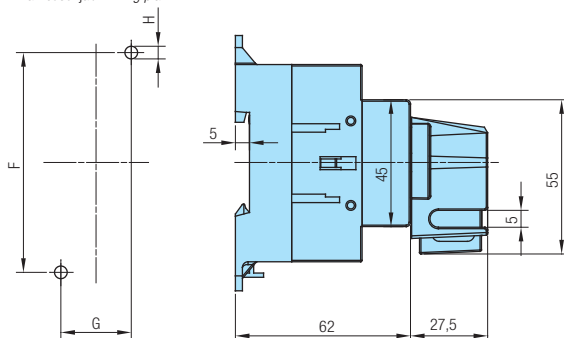


48D, 56

Standardno zaključavanje u "0". Moguće zaključavanje s 1 - 3 lokota.

In standard manner locking is in "0". It is possible to use 1 - 3 padlocks.

Stražnji lim / Rear plate
Plan bušenja / Drilling plan



Sklopka za odvojenu ugradnju
Rear mounting - O

Tip sklopke Switch type	F	G	H
CS16	78	25	5
CS25	78	25	5
CS32	78	25	5
CS40R	78	25	5
CS40	88	40	6
CS63	88	40	6
CS80	88	40	6

RUČICA HANDLE	Y KOD / CODE
crna / black	
siva / grey	20
crvena - žuta red - yellow	40

SIGNALNE SVJETILJKE *SIGNAL LAMPS*



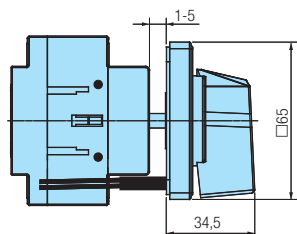
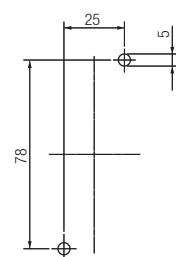
15

Standardno se ugrađuje crvena svjetiljka (230 V), desno dolje. Mogući naponi 110 i 400 V kao i zelena boja svjetiljke (potrebno definirati). Na poseban zahtjev ugrađujemo i drugu svjetiljku lijevo dolje.

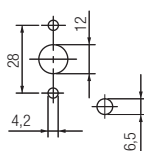
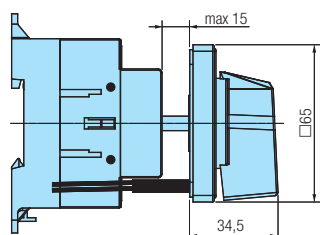
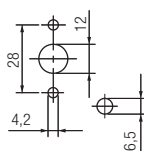
In a standard manner, the red lamp (230 V) is built in the right bottom corner. Possible voltages are 110 and 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.

IP40

Stražnji lim / Rear plate
Plan bušenja / Drilling plan



Prednji lim / Front plate
Plan bušenja / Drilling plan



Ugradna sklopka
Front mounting - U

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

Sklopka za odvojenu ugradnju
Rear mounting - O

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

PRODUŽENJE OSOVINE *EXTENSION SHAFT*

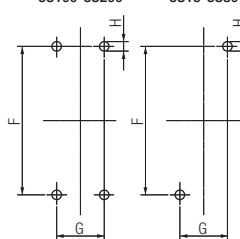

02

Standardna izvedba podrazumijeva da je $L = 250$ mm (300 mm za veličinu A2). Drugačiju dubinu ormara potrebno je definirati narudžbom.

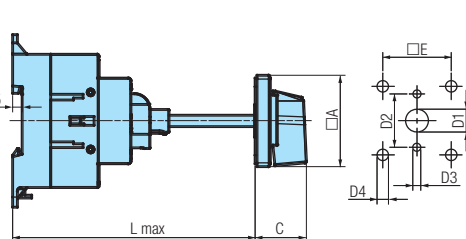
Standard version includes the $L = 250$ mm (300 mm for size A2). For special version it is necessary to define board depth.

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200 CS16-CS80



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju / *Rear mounting - 0*

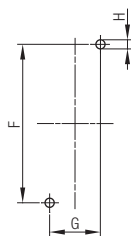
Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E	F	G	H	L _{max}
CS16	48	26,5	12	28	4,2	-	-	78	25	5	250
CS16H	65	34,5	12	28	4,2	-	-	78	25	5	250
CS25	48	26,5	12	28	4,2	-	-	78	25	5	250
CS25H	65	34,5	12	28	4,2	-	-	78	25	5	250
CS32	48	26,5	12	28	4,2	-	-	78	25	5	250
CS32H	65	34,5	12	28	4,2	-	-	78	25	5	250
CS40R	48	26,5	12	28	4,2	-	-	78	25	5	250
CS40RH	65	34,5	12	28	4,2	-	-	78	25	5	250
CS40	65	34,5	12	28	4,2	-	-	88	40	6	250
CS63	65	34,5	12	28	4,2	-	-	88	40	6	250
CS80	65	34,5	12	28	4,2	-	-	88	40	6	250
CS100	90	41,5	16	-	-	6	68	113,5	35	5	300
CS125	90	41,5	16	-	-	6	68	113,5	35	5	300
CS160	90	41,5	16	-	-	6	68	113,5	35	5	300
CS200	90	41,5	16	-	-	6	68	113,5	35	5	300

SPOJKA ZA VRATA *DOOR COUPLING*

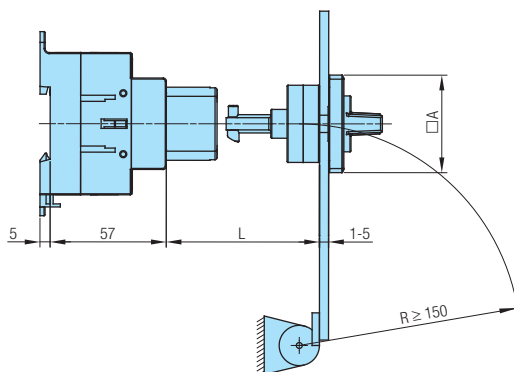

**57D
58D**

Otvaranje vrata u bilo kojem položaju (izvedba 57D) ili samo u "0" (izvedba 58D). Minimalna udaljenost od šarke 150 mm.

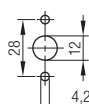
Door opening in any position (57D) or only in "0" (58D). Minimal distance to the door-hinge 150 mm.



Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju *Rear mounting - 0*

Tip sklopke Switch type	□A	F	G	H	L
CS16	48	78	25	5	45 - 55
CS16H	65	78	25	5	45 - 55
CS25	48	78	25	5	45 - 55
CS25H	65	78	25	5	45 - 55
CS32	48	78	25	5	45 - 55
CS32H	65	78	25	5	45 - 55
CS40R	48	78	25	5	45 - 55
CS40RH	65	78	25	5	45 - 55
CS40	65	88	40	6	45 - 55
CS63	65	88	40	6	45 - 55
CS80	65	88	40	6	45 - 55

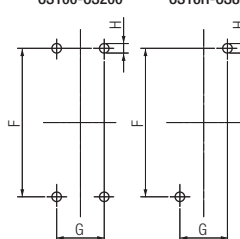

**07
08**

Otvaranje vrata u bilo kojem položaju (izvedba 07) ili samo u "0" (izvedba 08). Minimalna udaljenost od šarke 150 mm.

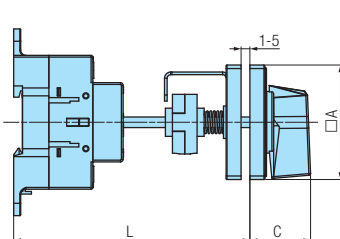
Door opening in any position (07) or only in "0" (08). Minimal distance to the door-hinge 150 mm.

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200 CS16H-CS80



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju / *Rear mounting - 0*

Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E	F	G	H	L _{max}
CS16H	65	34,5	12	28	4,2	-	48	78	25	5	126
CS25H	65	34,5	12	28	4,2	-	48	78	25	5	126
CS32H	65	34,5	12	28	4,2	-	48	78	25	5	126
CS40RH	65	34,5	12	28	4,2	-	48	78	25	5	126
CS40	65	34,5	12	28	4,2	-	48	88	40	6	126
CS63	65	34,5	12	28	4,2	-	48	88	40	6	126
CS80	65	34,5	12	28	4,2	-	48	88	40	6	126
CS100	90	41,5	16	-	-	6	68	113,5	35	5	210
CS125	90	41,5	16	-	-	6	68	113,5	35	5	210
CS160	90	41,5	16	-	-	6	68	113,5	35	5	210
CS200	90	41,5	16	-	-	6	68	113,5	35	5	210

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

PRODUŽENJE OSOVINE I SPOJKA ZA VRATA *EXTENSION SHAFT AND DOOR COUPLING*

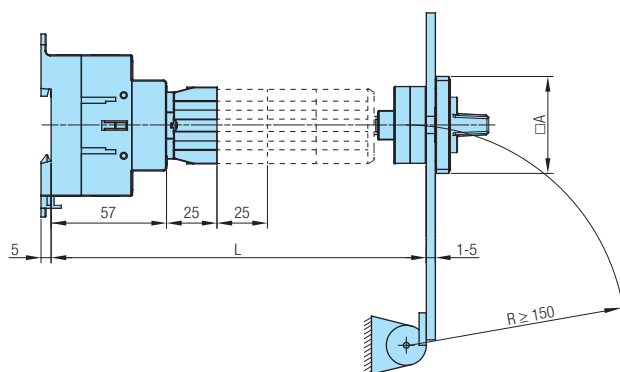
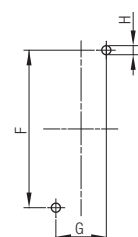


108D

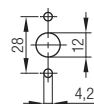
Upotreba kod rastavnih sklopki odvojene ugradnje, omogućava prilagodbu različitim dubinama ugradnje. Otvaranje vrata u položaju "0". Standardno se isporučuje s jednim modulom.

Used to adapt switch disconnectors with base mounting to different mounting depths. Door opening in position "0". Standard version with one module.

Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju *Rear mounting - 0*

Tip sklopke Switch type	□A	F	G	H
CS16	48	78	25	5
CS16H	65	78	25	5
CS25	48	78	25	5
CS25H	65	78	25	5
CS32	48	78	25	5
CS32H	65	78	25	5
CS40R	48	78	25	5
CS40RH	65	78	25	5
CS40	65	88	40	6
CS63	65	88	40	6
CS80	65	88	40	6

Kod Codes	Broj modula No. of modules	L min max
108D	1	110 120
108D-2	2	135 145
108D-3	3	160 170
108D-4	4	185 195

KOD / CODE	IZVEDBA / VERSION
108D	Standardna izvedba s jednim modulom Standard version with one module
108D - 2	Izvedba s dva modula Version with two modules
108D - 3	Izvedba s tri modula Version with three modules
108D - 4	Izvedba s četiri modula Version with four modules

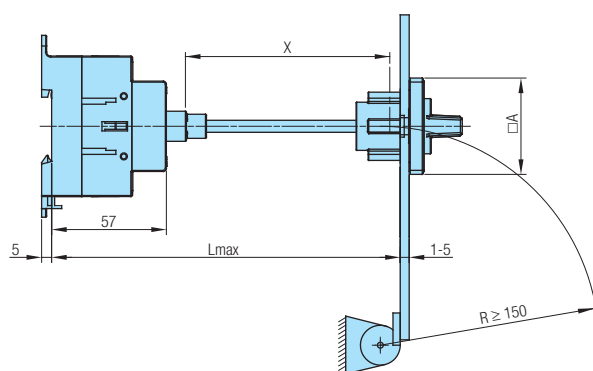
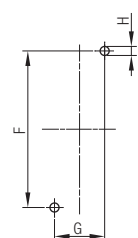


102

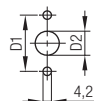
Otvaranje vrata u položaju "0". Standardno se isporučuje s osovinom dužine 100 mm.

Door-opening in position "0". Standard version with 100 mm shaft.

Plan bušenja / Drilling plan
Stražnji lim / Rear plate



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju *Rear mounting - 0*

Tip sklopke Switch type	□A	D1	D2	F	G	H
CS16	48	28	12	78	25	5
CS16H	65	28	12	78	25	5
CS25	48	28	12	78	25	5
CS25H	65	28	12	78	25	5
CS32	48	28	12	78	25	5
CS32H	65	28	12	78	25	5
CS40R	48	28	12	78	25	5
CS40RH	65	28	12	78	25	5
CS40	65	28	12	88	40	6
CS63	65	28	12	88	40	6
CS80	65	28	12	88	40	6
CS100	90	39	21	113,5	35	5
CS125	90	39	21	113,5	35	5
CS160	90	39	21	113,5	35	5
CS200	90	39	21	113,5	35	5

Kod Code	X	L _{max}
102	100	175 155
102 - 200	200	275 255

KOD / CODE	IZVEDBA / VERSION
102	Standardna izvedba - osovina 100 mm Standard version - shaft 100 mm
102 - 200	Osovina 200 mm Shaft 200 mm

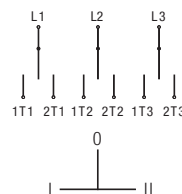
POSEBNE IZVEDBE *OPTIONAL EXTRAS*

PREKLOPKA CHANGEOVER

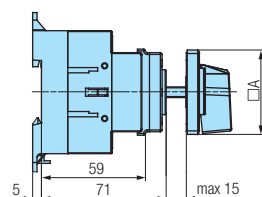
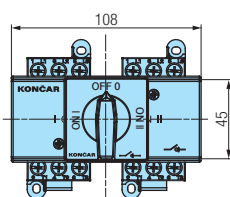
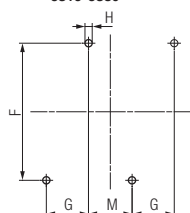

153

3-polna ili 4-polna preklopka s "0" položajem (I-0-II)

3-pole or 4-pole changeover with "0" position (I-0-II)


Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS16-CS80

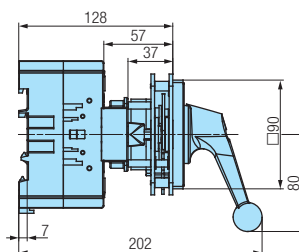
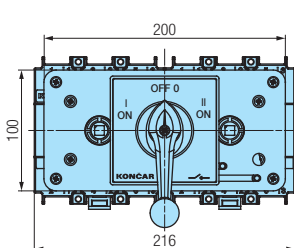
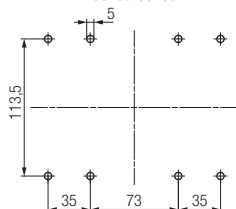

Plan bušenja / Drilling plan
Prednji lim / Front plate

Sklopka za odvojenu ugradnju
Rear mounting - 0

Tip sklopke Switch type	□A	F	G	H	M
CS16	48	78	25	5	28
CS16H	65	78	25	5	28
CS25	48	78	25	5	28
CS25H	65	78	25	5	28
CS32	48	78	25	5	28
CS32H	65	78	25	5	28
CS40R	48	78	25	5	28
CS40RH	65	78	25	5	28
CS40	65	88	40	6	14
CS63	65	88	40	6	14
CS80	65	88	40	6	14


Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200

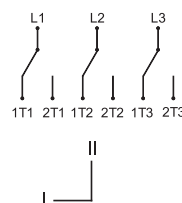

Sklopka za odvojenu ugradnju
Rear mounting - 0

Tip sklopke Switch type
CS100
CS125
CS160
CS200

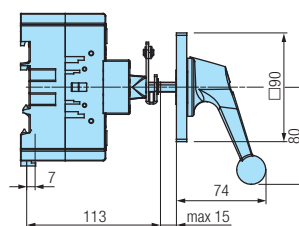
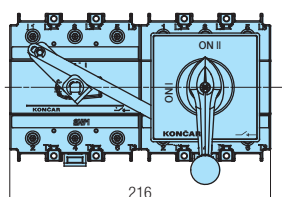
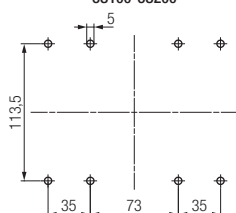
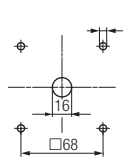

153D

3-polna ili 4-polna preklopka bez "0" položaja (I-II).

3-pole or 4-pole changeover without "0" position (I-II).


Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200


Plan bušenja / Drilling plan
Prednji lim / Front plate

Sklopka za odvojenu ugradnju
Rear mounting - 0

Tip sklopke Switch type
CS100
CS125
CS160
CS200

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

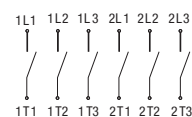
PARALELNI POGON DVIJE RASTAVNE SKLOPKE *TANDEM DRIVE OF TWO SWITCH-DISCONNECTORS*



134

Paralelni pogon dvije rastavne sklopke (6-polna ili 8-polna rastavna sklopka).

Tandem drive of two switch-disconnectors (6-poles or 8-poles switch-disconnectors).

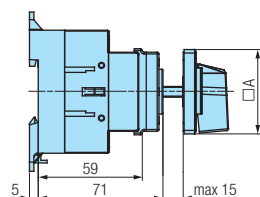
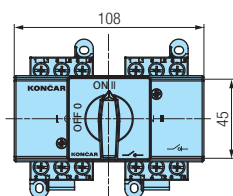
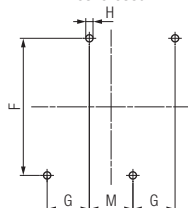


Sklopka za odvojenu ugradnju
Rear mounting - O

Tip sklopke Switch type	□A	F	G	H	M
CS16	48	78	25	5	28
CS16H	65	78	25	5	28
CS25	48	78	25	5	28
CS25H	65	78	25	5	28
CS32	48	78	25	5	28
CS32H	65	78	25	5	28
CS40R	48	78	25	5	28
CS40RH	65	78	25	5	28
CS40	65	88	40	6	14
CS63	65	88	40	6	14
CS80	65	88	40	6	14

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS16-CS80

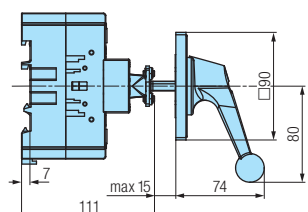
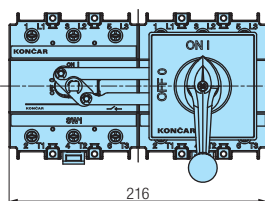
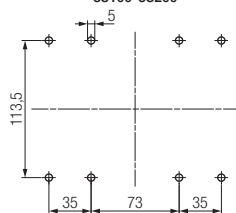


Plan bušenja / Drilling plan
Prednji lim / Front plate

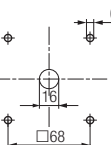


Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200



Plan bušenja / Drilling plan
Prednji lim / Front plate



Sklopka za odvojenu ugradnju
Rear mounting - O

Tip sklopke Switch type
CS100
CS125
CS160
CS200

SKLOPKA ZA NUŽNO ISKLAPANJE *EMERGENCY OFF SWITCH*

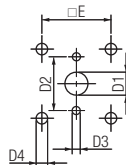
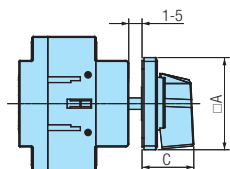


24

Standardna rastavna sklopka sa žutom prednjom pločom, žutom podlogom i crvenom ručicom.

Standard switch-disconnector with yellow front plate, yellow escutcheon plate and red handle.

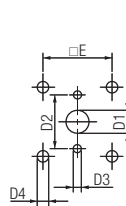
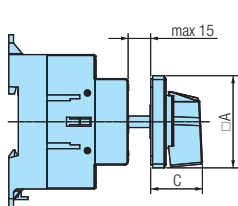
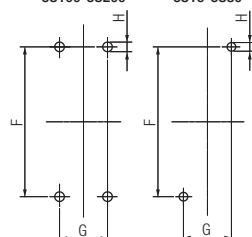
Plan bušenja / Drilling plan
Prednji lim / Front plate



Plan bušenja / Drilling plan
Stražnji lim / Rear plate

CS100-CS200

CS16-CS80



Ugradna sklopka / *Front mounting - U*

Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E
CS16	48	34,2	12	28	4,2	-	-
CS16H	65	38	12	28	4,2	-	-
CS25	48	34,2	12	28	4,2	-	-
CS25H	65	38	12	28	4,2	-	-
CS32	48	34,2	12	28	4,2	-	-
CS32H	65	38	12	28	4,2	-	-
CS40R	48	34,2	12	28	4,2	-	-
CS40RH	65	38	12	28	4,2	-	-
CS40	65	38	12	28	4,2	-	-
CS63	65	38	12	28	4,2	-	-
CS80	65	38	12	28	4,2	-	-
CS100	90	49	16	-	-	6	68
CS125	90	49	16	-	-	6	68
CS160	90	49	16	-	-	6	68
CS200	90	49	16	-	-	6	68

Sklopka za odvojenu ugradnju / *Rear mounting - O*

Tip sklopke Switch type	□A	C	D1	D2	D3	D4	□E	F	G	H
CS16	48	34,2	12	28	4,2	-	-	78	25	5
CS16H	65	38	12	28	4,2	-	-	78	25	5
CS25	48	34,2	12	28	4,2	-	-	78	25	5
CS25H	65	38	12	28	4,2	-	-	78	25	5
CS32	48	34,2	12	28	4,2	-	-	78	25	5
CS32H	65	38	12	28	4,2	-	-	78	25	5
CS40R	48	34,2	12	28	4,2	-	-	78	25	5
CS40RH	65	38	12	28	4,2	-	-	78	25	5
CS40	65	38	12	28	4,2	-	-	88	40	6
CS63	65	38	12	28	4,2	-	-	88	40	6
CS80	65	38	12	28	4,2	-	-	88	40	6
CS100	90	49	16	-	-	6	68	113,5	35	5
CS125	90	49	16	-	-	6	68	113,5	35	5
CS160	90	49	16	-	-	6	68	113,5	35	5
CS200	90	49	16	-	-	6	68	113,5	35	5

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

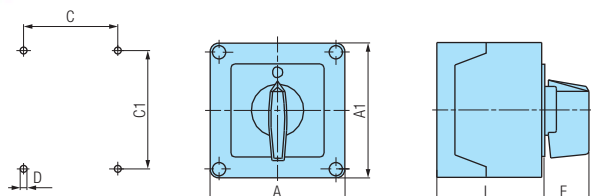
PLASTIČNO KUĆIŠTE PLASTIC ENCLOSURE



24

Standardna sklopka sa žutom podlogom i crvenom ručicom

Standard switch with yellow escutcheon plate and red handle



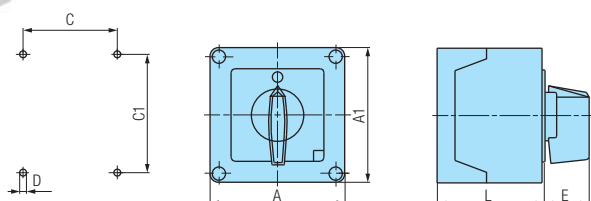
Tip sklopke Switch type	Veličina kućišta Enclosure size	A	A1	C	C1	D	E	L
CS16 CS25 CS32 CS40R	110 x 110	110	110	83	98,4	4,5	32	85,5
CS40 CS63 CS80	125 x 175	125	175	112	146	5,5	32	84,3
CS100 CS125 CS160 CS200	215 x 295	210	290	160	240	5,5	41,5	147,5



15

Standardno se ugrađuje crvena svjetiljka (230 V), desno dolje. Mogući naponi 110 i 400 V kao i zelena boja svjetiljke (potrebno definirati). Na poseban zahtjev ugrađujemo i drugu svjetiljku lijevo dolje.

In a standard manner, the red lamp (230 V) is built in the right bottom corner. Possible voltages are 110 and 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.



Tip sklopke Switch type	Veličina kućišta Enclosure size	A	A1	C	C1	D	E	L
CS16 CS25 CS32 CS40R	110 x 110	110	110	83	98,4	4,5	32	85,5
CS40 CS63 CS80	125 x 175	125	175	112	146	5,5	32	84,3
CS100 CS125 CS160 CS200	215 x 295	210	290	160	240	5,5	41,5	147,5



06

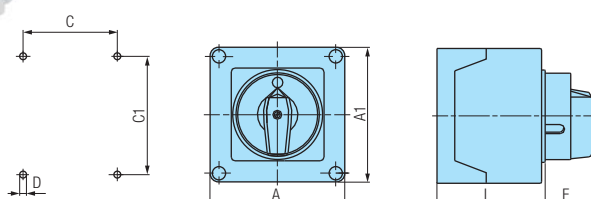
Zaključavanje samo u "0" / Locking only in "0".

23

Glavna sklopka / Main switch

25

Glavna sklopka ujedno i sklopka za nužno isklapanje
Main switch with emergency.



	Ručica Handle	Čeona ploča Cover plate	Kućište Enclosure
06	siva / grey	siva / grey	siva / grey
23	crna / black	crna / black	siva / grey
25	crvena / red	žuta / yellow	siva / grey

Tip sklopke Switch type	Veličina kućišta Enclosure size	A	A1	C	C1	D	E	L
CS16 CS25 CS32 CS40R	110 x 110	110	110	83	98,4	4,5	38,5	85,5
CS40 CS63 CS80	125 x 175	125	175	112	146	5,5	38,5	84,3
CS100 CS125 CS160 CS200	215 x 295	210	290	160	240	5,5	49	147,5



56

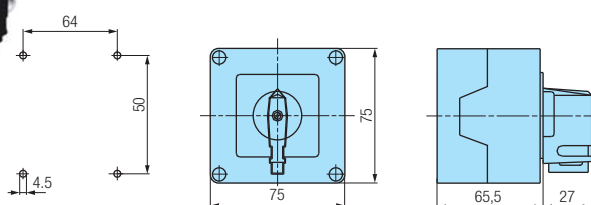
Zaključavanje samo u "0" (1 - 3 lokota) / Locking only in "0" (1 - 3 padlocks)

73

Glavna sklopka / Main switch

75

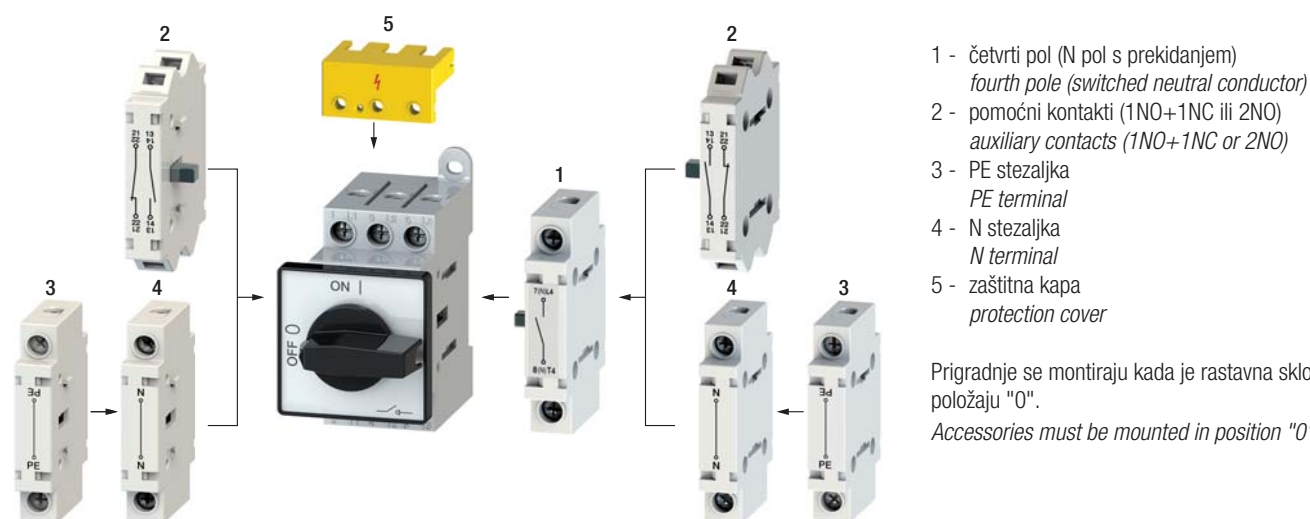
Glavna sklopka ujedno i sklopka za nužno isklapanje
Main switch with emergency



	Ručica Handle	Podloga Escutch. plate	Kućište Enclosure	Y Kod / Code
56	crna / black	bijela / white	siva / grey	20
	siva / grey	bijela / white	siva / grey	
73	crna / black	crna / black	siva / grey	
75	crvena - žuta / red - yellow	žuta / yellow	siva / grey	

Tip sklopke Switch type
CS16
CS25
CS32
CS40R

PRIGRADNJE ACCESSORIES



- 1 - četvrti pol (N pol s prekidanjem)
fourth pole (switched neutral conductor)
- 2 - pomoćni kontakti (1NO+1NC ili 2NO)
auxiliary contacts (1NO+1NC or 2NO)
- 3 - PE stezaljka
PE terminal
- 4 - N stezaljka
N terminal
- 5 - zaštitna kapa
protection cover

Prigradnje se montiraju kada je rastavna sklopka u položaju "0".

Accessories must be mounted in position "0".

NARUDŽBENI KODOVI PRIGRADNJI ORDERING CODES FOR ACCESSORIES

4. POL 4. POLE



Tip sklopke Switch type	"U"	"0"
CS16	B71725	B71728
CS25	B71726	B71729
CS32	B71727	B71730
CS40R	B71761	B71762
CS40	B71745	B71748
CS63	B71746	B71749
CS80	B71747	B71750

raniji uklop - kasniji isklup
early make - late break



Tip sklopke Switch type	"U"	"0"
CS100	B72094	B72098
CS125	B72095	B72099
CS160	B72096	B72100
CS200	B72097	B72101

raniji uklop - kasniji isklup
early make - late break

PE STEZALJKA PE TERMINAL



Tip sklopke Switch type	"U"	"0"
CS16/CS25/CS32/CS40R	B71737	B71738
CS40/CS63/CS80	B71753	B71754



Tip sklopke Switch type	"U"	"0"
CS100/125/160	B72102	B72104
CS200	B72103	B72105

N STEZALJKA N TERMINAL



Tip sklopke Switch type	"U"	"0"
CS16/CS25/CS32/CS40R	B71735	B71736
CS40/CS63/CS80	B71751	B71752



Tip sklopke Switch type	"U"	"0"
CS100/125/160	B72106	B72108
CS200	B72107	B72109

NARUDŽBENI KODOVI PRIGRADNJI ORDERING CODES FOR ACCESSORIES

POMOĆNI KONTAKTI AUXILIARY CONTACTS

1NO+1NC

2NO



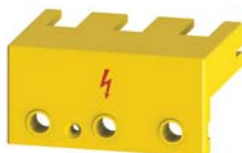
Vrsta pom. kontakata Type of aux. contacts	"U"	"O"
1NO+1NC	B71731	B71732
2NO	B71733	B71734

NO kontakt: kasniji uklop - raniji isklop
NO contact: late make - early break

ZAŠTITNA KAPA PROTECTION COVER



1P



3P

Broj polova Number of poles	"U" ili / or "O"		
	CS40 - CS80	CS100 - CS160	CS200
1P	B71755	B72110	B72473
3P	B71756	B72111	3x B72473

KUČIŠTE ENCLOSURE



Veličina kućišta Enclosure size	Tip sklopke Switch type	Pg	M
110 x 110	CS16/25/32/40R	B71767	B71768
125 x 175	CS40/63/80	B71769	B71770
215 x 295	CS100/125/160/200	B72112	-

Plastično kućište se standardno isporučuje s priključcima za zemlju i nulu te standardnom ručicom.

Plastic enclosure is equipped with the earth and neutral terminals in addition to the standard handle.

MEHANIZAM MECHANISM

ZA 6/8 - POLNU RASTAVNU SKLOPKU
FOR 6/8 - POLE SWITCH DISCONNECTOR



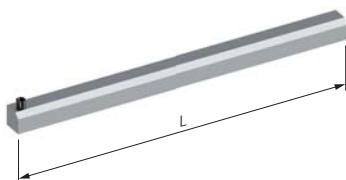
Tip sklopke Switch type	Narudžbeni broj Ordering code
CS16/25/32/40R CS40/63/80	B71766

ZA PREKLOPKU
FOR CHANGEOVER



Tip sklopke Switch type	Narudžbeni broj Ordering code
CS16/25/32/40R CS40/63/80	B71765

OSOVINA ZA POSEBNU IZVEDBU "102"
SHAFT FOR OPTIONAL EXTRA "102"



Tip sklopke Switch type	L [mm]	Narudžbeni broj Ordering code
CS16/25/32/40R/40/63/80	100	B71840
	200	B71841
CS100/125/160/200	100	B72516
	200	B72517

MODUL ZA POSEBNU IZVEDBU "108D"
MODULE FOR OPTIONAL EXTRA "108D"



Tip sklopke Switch type	Narudžbeni broj Ordering code
CS16/25/32/40R/40/63/80	B71717

REZERVNI DIJELOVI ACCESSORIES

RUČICE HANDLES

		NARUŽBENI KOD / ORDERING CODE					
		Veličina / Size					
	Boja / Colour	A0	A1	A2			
	siva / grey	R011-6	R111-6	R211-6	R211-7	R211-8	R211-9
	crvena / red	R012-6	R112-6	R212-6	R212-7	R212-8	R212-9
	crna / black	R014-6	R114-6	R214-6	R214-7	R214-8	R214-9
	žuta / yellow	R015-6	R115-6	R215-6	R215-7	R215-8	R215-9
	siva / grey		R121-6	R221-6	R221-7	R221-8	R221-9
	crvena / red		R122-6	R222-6	R222-7	R222-8	R222-9
	crna / black		R124-6	R224-6	R224-7	R224-8	R224-9
	žuta / yellow		R125-6	R225-6	R225-7	R225-8	R225-9

Zadnji broj u kodu ručice (6, 7, 8 ili 9) označava kvadrat osovine na koju se ručica montira.

Last number in ordering code (6, 7, 8 or 9) means the shaft square required for requested handle.

■ - standardna ručica za određenu ugradnu veličinu / standard handle for defined mounting size

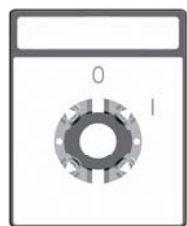
PREDNJE PLOČE FRONT PLATES



Prednja ploča standardnog oblika. Moguća za sve veličine (A0, A1, A2). Izrađuje se standardno u crnoj boji, a prema narudžbi u sivoj i žutoj.

Front plate - standard form. Available at all sizes (A0, A1, A2).

In a standard manner it is being produced in black colour; grey and yellow colour available on request.



Prednja ploča s natpisom. Moguća za sve veličine (A0, A1, A2). Izrađuje se standardno u crnoj boji, a prema narudžbi u sivoj i žutoj. Standardne podloge natpisa (N) vidi na stranici 138.

Front plate with title. Available at all sizes (A0, A1, A2).

In a standard manner it is being produced in black colour; grey and yellow colour available on request. Standard escutcheon plates (N) see on page 138.

RUČICA SA ZAKLJUČAVANJEM PADLOCKABLE HANDLE



Zaključavanje samo u "0"

Padlocking in "0"

		NARUŽBENI KOD / ORDERING CODE			
		Veličina / Size			
		A0	A1	A2	
Boja / Colour		□6	□6	□8	□9
crna / black		610264	610607	B93921	B93645
siva / grey		610267	610282	B93922	B93647
crvena - žuta / red - yellow		610382	610386	B93920	B93646

GUMENA BRTVA RUBBER GASKET



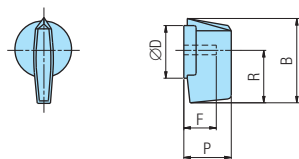
Ugradna veličina Mounting size	Naružbeni kod Ordering code
A0 (□6)	602773
A1 (□6)	B71707
A2 (□9)	B93514

Napomena:
Za ostale kvadratne osovine, na upit.

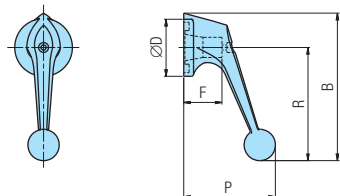
Remark:
For other shaft squers, on request.

REZERVNI DIJELOVI *ACCESSORIES*

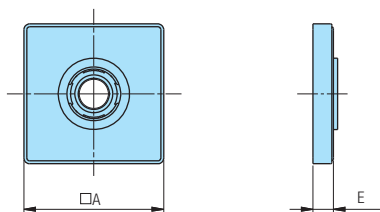
MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)



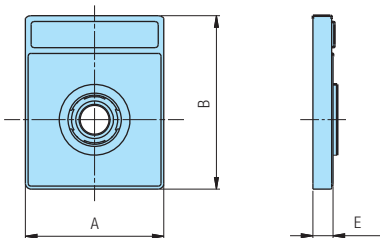
Ugradna veličina Mounting size	Oznaka / Marking				
	B	ØD	F	P	R
A0	39,5	27,5	16	19	23,5
A1	53	35	20	25	32
A2	70,5	48	26,5	32	43,5



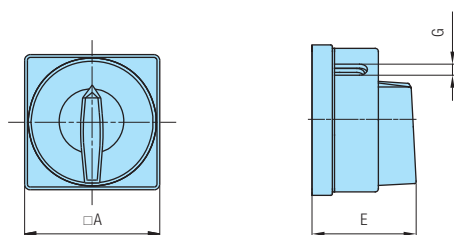
Ugradna veličina Mounting size	Oznaka / Marking				
	B	ØD	F	P	R
A1	81,5	35	23	52	61,5
A2	105,5	48	26,5	65	79,5



Ugradna veličina Mounting size	Oznaka / Marking	
	A	E
A0	48	7,5
A1	65	9,5
A2	90	9,5



Ugradna veličina Mounting size	Oznaka / Marking		
	A	B	E
A0	48	60	7,5
A1	65	80,5	9,5
A2	90	110	9,5



Ugradna veličina Mounting size	Oznaka / Marking		
	A	E	G
A0	48	34,2	5
A1	65	38	6
A2	90	49	8

PODLOGE *ESCUTCHEON PLATES*

PODLOGA "N" *ESCUTCHEON PLATE "N"*

GLAVNA SKLOPKA N 01	MAIN SWITCH N 02	HAUPTSCHALTER N 03	NUŽNO ISKLAPANJE N 04	EMERGENCY OFF N 05	NOT-AUS N 06	MOTOR N 14	MOTOR CONTROL N 15	PUMPA N 16	PUMP N 17
PUMPE N 18	GRIVANJE N 19	HEIZUNG N 20	HLADENJE N 21	VENTILATOR N 22	RASVJETA N 23	BIRAČ N 24	WAHLSCHALTER N 25	SELECTOR N 26	N 31

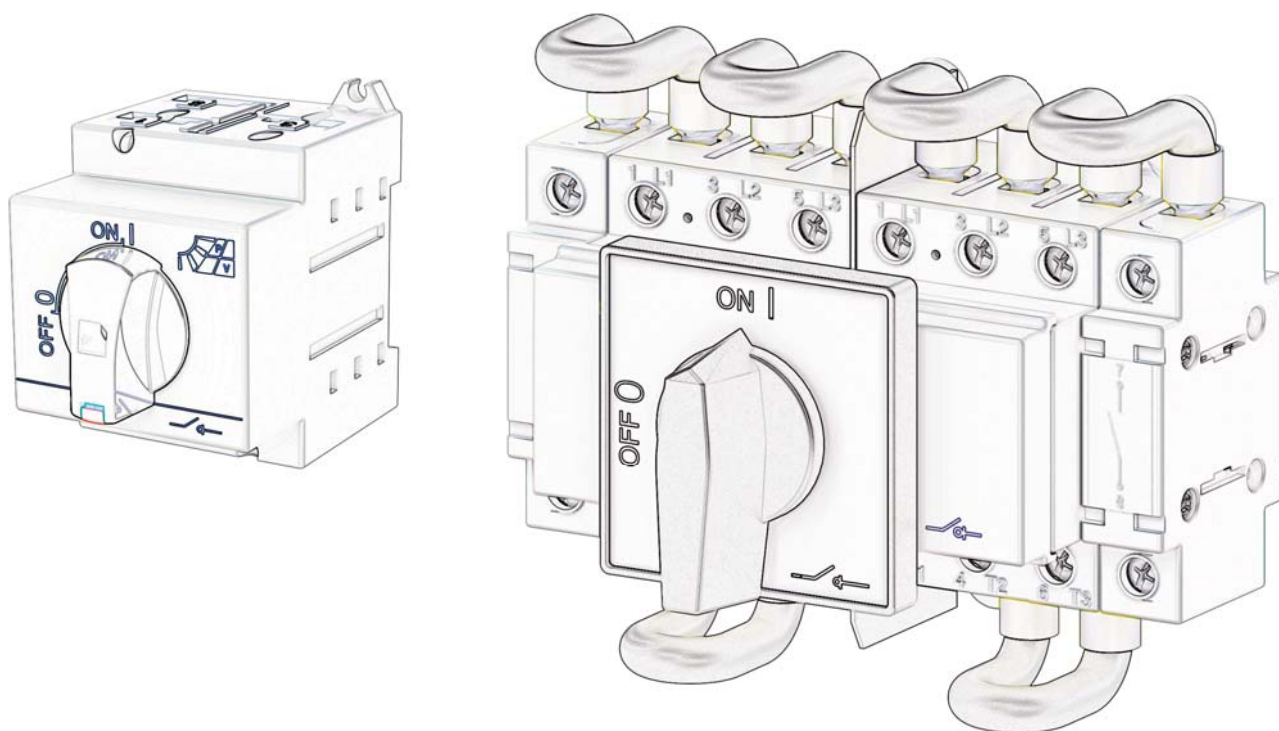
PREGLED POSEBNIH IZVEDBI PO STRANICAMA *OPTIONAL EXTRAS - REVIEW*

POSEBNA IZVEDBA <i>OPTIONAL EXTRA</i>	Stranica <i>Page</i>	Mogućnost prednje ploče s natpisom <i>Possibility of front plate with title (N)</i>
02	131	+
06	124	+
06D	125	
07	131	+
08	131	+
09	129	
10	129	
11	129	
12	129	
15	130	+
23	125	+
24	134	+
25	125	+
29D	127	
29K	127	
41D	128	
41K	128	
47	127	
48D	130	

POSEBNA IZVEDBA <i>OPTIONAL EXTRA</i>	Stranica <i>Page</i>	Mogućnost prednje ploče s natpisom <i>Possibility of front plate with title (N)</i>
48D,56	130	
56	124	+
57D	131	+
58D	131	+
63D	126	
65D	126	
67	127	
69	129	+
71	128	
72	128	
73	126	+
75	126	+
76	128	+
77	128	+
102	132	+
108D	132	+
134	134	+
153	133	+
153D	133	+

Rastavne sklopke za fotonaponske sustave

Switch- disconnectors for Photovoltaic Loads



Razvoj obnovljivih izvora energije na osnovi fotonaponskih panela ima za posljedicu razvoj rastavnih sklopki koje služe za sklanjanje istosmjernih krugova.

Prema normi IEC 60364-7-712 za fotonaponske instalacije, mora se osigurati izoliranje što rastavne sklopke serija PV i CSP, u potpunosti zadovoljavaju.

Sa nazivnim pogonskim strujama do 80A u kategoriji upotrebe DC21B, te nazivnim pogonskim naponom do 1500V DC (1200V DC), ove rastavne sklopke mogu ispuniti sve zahtjeve izolacija.

Rastavne sklopke serija PV i CSP konstruirane su tako da se mogu postaviti između fotonaponskih ćelija i DC/AC pretvarača.

Osim kao standardne izvedbe, mogu se isporučiti s čitavim nizom posebnih izvedbi (na upit).

The development of renewable energy sources on the basis of photovoltaic panels has resulted with the development of switch-disconnectors which are used for switching off DC circuit. Switch-disconnectors series PV and CSP completely fulfil requirements for isolation according to IEC 60364-7-712 for photovoltaic installations.

PV and CSP series of switch-disconnectors can meet all requirements of installation with rated operational voltage up to 1500V DC (1200V DC) and operational currents up to 80A in utilization category DC21B. Switch-disconnectors are designed to be placed between photovoltaic cells and DC/AC inverter.

Besides the standard mounting forms, they are available with a large number of optional extras (on request).

TEHNIČKE KARAKTERISTIKE TECHNICAL DATA				PV25	PV32	PV40	CSP80
Nazivni izolacijski napon Rated insulation voltage	U_i	IEC/EN 60947 UL 508i	V	1000 (1500*)	1000 (1500*)	1000 (1500*)	1200
Nazivni udarni podnosivi napon Rated impulse withstand voltage	U_{imp}	IEC/EN 60947	kV	8	8	8	8
Nazivna termička struja Rated thermal current	I_{th}	IEC/EN 60947 UL 508i	A	25	32	40	80
Nazivna kratkotrajno podnosiva struja Rated short-time withstand current	I_{cw}	IEC/EN 60947	1 sec	500	500	500	–
Nazivna pogonska struja Rated operational current	I_e	IEC/EN 60947 DC21B	300 V 400 V 600 V 800 V 1000 V 1200 V 1500 V	A A A A A A A	25/2p 25/2p 25/2p 25/2p 16/2p; 25/3p 20/4p 16/4p	32/2p 32/2p 32/2p 32/3p 32/3p 25/4p 20/4p	40/2p 40/2p 40/3p 40/3p 40/4p 32/4p 25/4p
Mehanička trajnost Mechanical durability	Broj uklopa Switching cycles			$1,5 \times 10^4$	$1,5 \times 10^4$	$1,5 \times 10^4$	$1,5 \times 10^4$
Stupanj mehaničke zaštite IP Rating	S prednje strane / Front protection Sa stražnje strane / Rear protection			IP65 IP20	IP65 IP20	IP65 IP20	IP65 IP00
Priključni vijak Terminal screw			M	4	4	4	4
Moment pritezanja priključnog vijka (IEC/EN) Terminal tightening torque			Nm	1,2	1,2	1,2	1,2
Presjek vodiča Conductor size	max. r/f		$2 \times \frac{mm^2}{AWG}$	10/6 8/10	10/6 8/10	10/6 8/10	25/16 4/6
r = kruti, višezilni / rigid f = finožičani / flexible	min. r/f		$2 \times \frac{mm^2}{AWG}$	1,5/1,5 16/16	1,5/1,5 16/16	1,5/1,5 16/16	1,5/1,5 16/16

*stupanj zagađenja 2 / pollution degree 2

**pri 220 V DC / at 220 V DC

***pri 750 V DC / at 750 V DC

Broj polova Number of poles	2P	3P	4P		2 x 2P
Shema Schema	11	21	31	22	2 x 11
Shema spoja Connecting diagram					

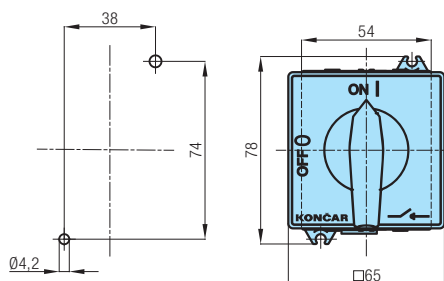
Broj polova Number of poles	6P	8P	
Shema Schema	33	44	53
Shema spoja Connecting diagram			

MJERNE SKICE DIMENSIONAL DRAWINGS (mm)

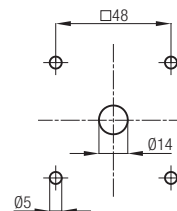
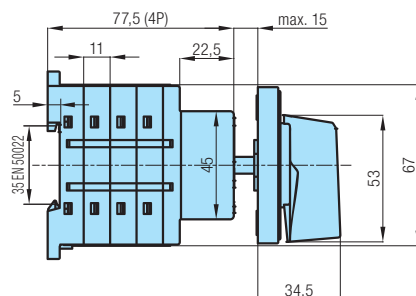
0 - Rastavna sklopka za odvojenu ugradnju Rear mounting

Seriya PV Series PV

Plan bušenja / Drilling plan
Stražnji lim / Rear plate

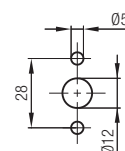
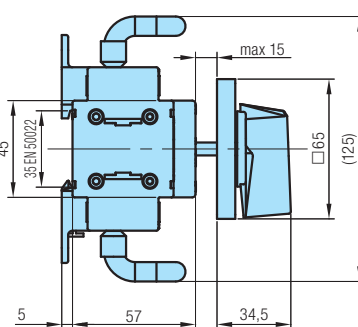
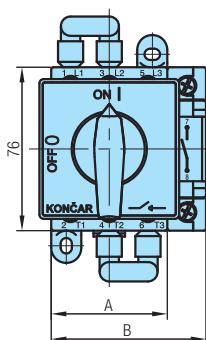
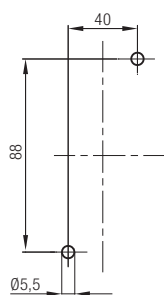


Plan bušenja / Drilling plan
Prednji lim / Front plate



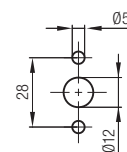
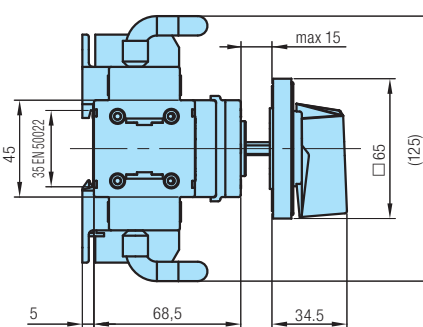
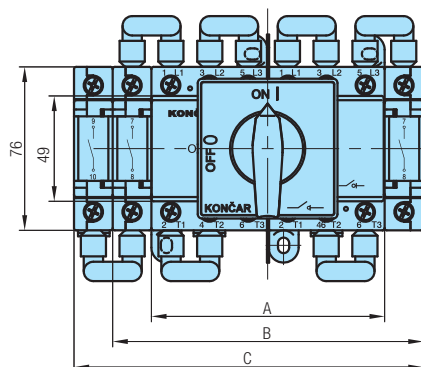
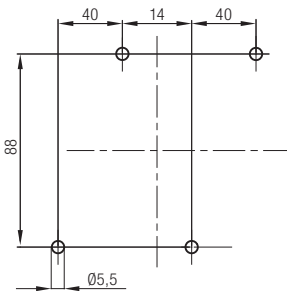
Seriya CSP Series CSP

Sheme spajanja 21, 22, 31 / Connection diagrams 21, 22, 31



Shema Conn. diag.	A	B	C
21	54	-	-
22	-	72	-
31	-	72	-
33	108,5	-	-
44	-	144,5	-
53	-	-	162,5

Sheme spajanja 33, 44, 53 / Connection diagrams 33, 44, 53



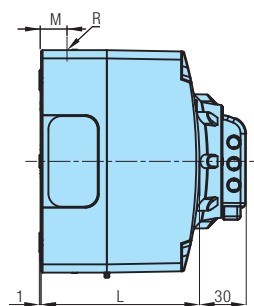
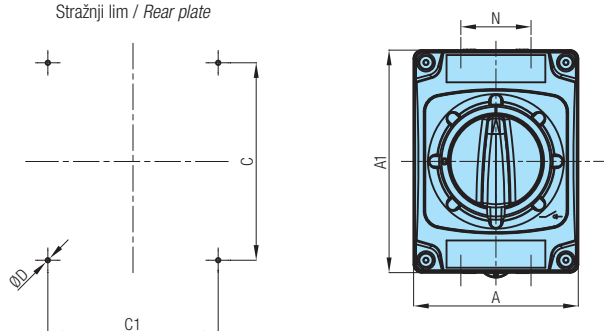
PV40-21-0



CSP80-53-153

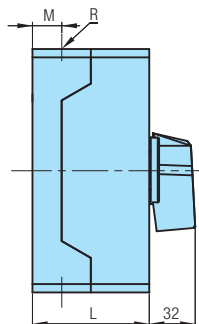
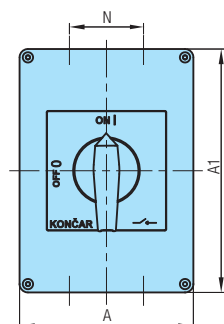
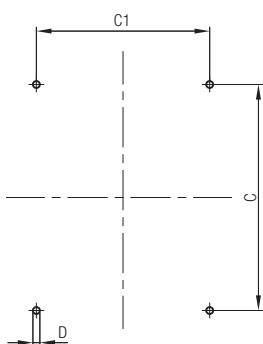
P - Rastavna sklopka u plastičnom kućištu Switch-disconnector in plastic enclosure

Seriya PV Series PV

Plan bušenja / Drilling plan
Stražnji lim / Rear plate


Veličina kućišta Enclosure size	Broj polova Number of poles	A	A1	C	C1	D	L	M	N	Zaštita Protection	Uvodnice Conduit entries
135x100	2 - 3	100	135	98,5	85	5,5	95	20,5	32	IP65	4 x M20
175x130	4	130	175	135,5	115	5,5	115	23	40	IP65	4 x M20/M25

Seriya CSP Series CSP

Plan bušenja / Drilling plan
Stražnji lim / Rear plate


Tip Type	Tip Kućišta Enclosure size	A	A1	C	C1	D	L	M	N	Zaštita Protection	R(Pg)	Uvodnice Conduit entries	R(M...x 1,5)
CSP80-21 CSP80-22 CSP80-31	125 x 175	125	175	146	112	5,5	84	21	68	IP65	4 x Pg21 + 2 x Pg11	ili / or	4 x M25 + 2 x M16
CSP80-33	140 x 210	149	218	111,5	200,5	5,5	146,5	31,5	69	IP65	8 x Pg(16-29) + 4 x Pg11	ili / or	8 x M(20-32) + 4 x M16
CSP80-44 CSP80-53	210 x 210	218	218	200	180	5,5	146,5	31,5	109	IP65	12 x Pg(16 - 29)	ili / or	12 x M(20 - 32)

POTVRDE APPROVALS

	KEMA EUR	RU	UL C US
PV25	■	■	■
PV32	■	■	■
PV40	■	■	■
CSP80			



PV40-21-0102

NARUDŽBENI KOD ORDERING CODE

Primjer narudžbenog koda za rastavnu sklopku PV40, odvojena ugradnja, shema 21, specijalna izvedba 102:

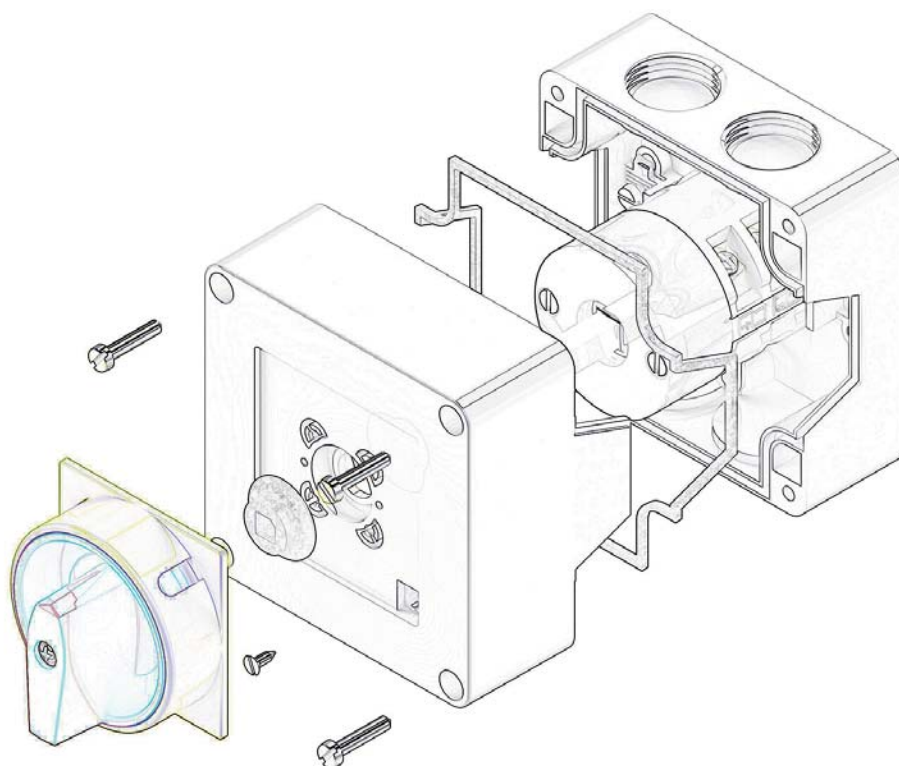
PV40-21-0102

Ordering code example for switch-disconnector PV40, rear mounting, scheme 21, optional extra 102:

PV40-21-0102

Tehničke informacije

Technical information



TEHNIČKE INFORMACIJE TECHNICAL INFORMATION

STUPANJ MEHANIČKE ZAŠTITE IP RATING

Zaštita od nečistoća i dodira (prva brojka) Protection against dirt nad touching (first digit)			Zaštita od vode (druga brojka) Protection against water (second digit)								
Osoba od dodira s dijelovima pod naponom Person protection against touching	Električnih uređaja od prodora stranih tijela Electrical devices protection against touching	Brojka Number	0	1	2	3	4	5	6	7	8
			bez zaštite no protection	vertikalnog kapanja against vertically falling drops of water	vertikalnog kapanja s dopuštenim nagibom kućišta od 15° prema vodoravnom položaju dripping water, when enclosure tilted up to 15°	prskanja s dopuštenim odklonom od 60° vertikalne against direct sprays of water up to 60° from the vertical	štrcanja iz svih smjerova against water splashed from all directions	od štrcanja u mlazu iz svih smjerova against low pressure jets of water from all directions	zapluskivanja morskim vodom i jakih mlazova against strong jets of water e.g. on ships deck	prodora vode u uređaj urojen između 15 cm i 1 m ispod površine u trajanju od 30 min between 15 cm and 1 m, duration of test 30 min	uređaj je sposoban za trajni rad pod vodom pod jednakim uvjetima koje je odredio proizvođač protected against long periods of immersion under pressure
Bez zaštite No protection		0	IP00	–	IP02	–	–	–	–	–	–
Rukom Hand	>50mm	1	IP10	IP11	IP12	IP13	–	IP15	–	–	–
Prstima Fingers	>12mm	2	IP20	IP21	IP22	IP23	–	–	–	–	–
Alatima Tool	>2.5mm	3	IP30	IP31	IP32	IP33	IP34	–	–	–	–
Žicom Wire	>1mm	4	IP40	IP41	IP42	IP43	IP44	–	–	–	–
Potpuna Complete	Zaštita od taloženja prašine u unutrašnjost Protected against dust limited ingress	5	IP50	–	–	–	IP54	IP55	IP56	–	–
Potpuna Complete	Ni prašina ne ulazi Totally protected against dust	6	IP60	–	–	–	–	IP65	IP66	IP67	IP68

KABELSKE UVODNICE CABLE GLANDS

Pg	9	11	13,5	16	21	29	36	42	48
Vanjski promjer kabela / žice od-do [mm] Outside diameter of cables / lines from-to	4,5 - 7	6 - 9	9 - 12	11 - 14	14 - 18	18 - 25	25 - 32	30 - 38	34 - 42
M...x 1,5	12	16	20	25	32	40	50	63	
Vanjski promjer kabela / žice od-do [mm] Outside diameter of cables / lines from-to	3 - 6,5	5 - 10	6 - 12	11 - 16	15 - 20	19 - 27	26 - 34	32 - 44	

VANJSKI PROMJERI KABELA OUTSIDE DIAMETER OF CABLES

Približni vanjski promjer Approximate outside diameter					Približni vanjski promjer Approximate outside diameter				
Broj žila i presjek Number cores and cross-section	NYM	NYV	NYVY	H07RN-F	Broj žila i presjek Number cores and cross-section	NYM	NYV	NYVY	H07RN-F
mm ²	mm	mm	mm	mm	mm ²	mm	mm	mm	mm
3 x 1,05	10	11	13	12,5	4 x 50	-	35	34	48
3 x 2,5	11	13	14	14,5	4 x 70	-	40	37	54
3 x 4	12,5	15	16	16	4 x 95	-	45	42	60
3 x 6	14	16	17	20	4 x 120	-	50	47	65,5
3 x 10	17	19	18	25,5	4 x 150	-	53	52	-
3 x 16	20	21	21	29	4 x 185	-	60	60	-
4 x 1,5	10,5	13	14	13,5	5 x 240	-	71	70	-
4 x 2,5	12	14	15	15,5	5 x 1,5	11	13,5	15	15
4 x 4	14	16	17	18	5 x 2,5	13	16,5	17	17
4 x 6	15	17	18	22	5 x 4	15	19	18	19
4 x 10	18	20	20	23	5 x 6	18	19	20	24
4 x 16	23	23	23	32	5 x 10	20	21	-	30
4 x 25	27,5	27	28	37	5 x 16	24	23	-	35
4 x 35	31	30	29	42	5 x 25	31	-	-	41

NYM - PVC-om izoliran i oplašten instalacijski kabel / Light PVC-sheathed cable
 NYV - Kabel s PVC omotačem / Cable with PVC sheath

NYVY - Kabel s koncentričnim vodičima i PVC omotačem / Cable with concentric conductor and PVC sheath
 H07RN-F - Fleksibilni gumom izolirani kabel za srednje jaka mehanička opterećenja / Rubber insulated flexible cable for medium mechanical loading

TEHNIČKE INFORMACIJE TECHNICAL INFORMATION

PREPORUČLJIVE VRIJEDNOSTI ZA TROFAZNE KAVEZNE MOTORE SA 1500 o/min PRI 50 Hz

RECOMMENDED VALUES FOR THREE-PHASE SQUIRREL-CAGE MOTORS WITH 1500 rpm AT 50 Hz

			220 V - 230 V			380 V / 400 V			500 V			660 V / 690 V		
Snaga motora Motor power			Nazivna struja motora Rated motor power	Osigurač za pokretanje Fuse for startup		Nazivna struja motora Rated motor power	Osigurač za pokretanje Fuse for startup		Nazivna struja motora Rated motor power	Osigurač za pokretanje Fuse for startup		Nazivna struja motora Rated motor power	Osigurač za pokretanje Fuse for startup	
kW	cosφ	η%		direk./direc.	Y/Δ		direk./direc.	Y/Δ		direk./direc.	Y/Δ		direk./direc.	Y/Δ
			A	A	A	A	A	A	A	A	A	A	A	A
0,25	0,69	68	1,4	4	2	0,8	2	2	0,6	2	2	0,5	2	2
0,37	0,71	72	1,9	4	2	1,1	4	2	0,8	2	2	0,6	2	2
0,55	0,75	74	2,6	6	4	1,5	4	2	1,2	4	2	0,9	2	2
0,75	0,77	75	3,5	6	4	2	4	2	1,5	4	4	1,1	4	2
1,1	0,8	77	4,7	10	6	2,7	6	4	2,1	6	4	1,6	4	2
1,5	0,8	79	6,2	16	10	3,6	10	4	2,8	6	4	2,1	6	4
2,2	0,81	81	8,8	20	16	5,1	10	6	3,9	10	6	2,9	6	4
3	0,82	83	11,6	25	16	6,7	16	10	5,1	10	10	3,9	10	6
4	0,83	84,5	15	25	20	8,7	20	16	6,6	16	10	5	10	6
5,5	0,84	86	20	35	25	11,6	25	20	8,8	20	16	6,7	16	10
7,5	0,85	87	26,6	50	35	15,4	35	25	11,7	25	20	8,9	16	10
11	0,85	88	39	63	50	22,4	35	35	17	35	25	12,9	25	16
15	0,86	89	51,5	80	63	29,8	50	35	22,8	35	35	17,1	35	20
18,5	90	90	63	100	80	36,5	63	50	27,8	50	35	21	35	25
22	90,5	90,5	75	100	80	43	63	50	32,8	63	50	25	50	35
30	90,5	90,5	99	125	100	57	80	83	43,5	63	50	33	50	35
37	92,5	92,5	121	160	160	70	100	80	53	80	63	40	63	50
45	92,5	92,5	147	200	200	85	125	100	80	100	80	49	63	63
55	92,5	92,5	180	250	200	104	160	125	79	125	100	60	100	80
75	92	92	242	315	250	140	200	160	107	160	125	81	125	100
90	92,5	92,5	-	-	-	167	200	200	127	200	160	97	160	100
110	93	93	-	-	-	205	250	250	156	200	200	118	160	125
132	93,5	93,5	-	-	-	245	315	250	187	250	200	140	200	160

KATEGORIJE UPOTREBE UTILIZATION CATEGORIES

Kategorija upotrebe Utilization category	Tipična primjena Typical application
AC-1	Neinduktivni ili malo induktivni tereti, otporničke peći Non-inductive or weakly inductive loads, resistance furnaces
AC-2	Kolutni motori, pokretanje, reverziranje Sliprings motors, startup, reversing
AC-3	Kavezni motori, pokretanje, isklapanje u vrtnji Squirrel-cage motors, startup, shut-down
AC-4	Kavezni motori, pokretanje, reverziranje, impulsno pokretanje Squirrel-cage motors, startup, reversing, inching
AC-15	Upravljanje elektromagnetskim teretom pri izmjeničnom naponu Control, electromagnetic loads with alternating-current voltage
AC-20	Zatvaranje i otvaranje neopterećenih strujnih krugova Switch-on and switch-off at no load
AC-21	Uklapanje i prekidanje djelatnih opterećenja i umjerenih preopterećenja Switching ohmic loads including moderate overload
AC-22	Uklapanje i prekidanje kombiniranih djelatnih i induktivnih opterećenja, umjerenih preopterećenja Switching mixed ohmic and inductive loads including moderate overload
AC-23	Uklapanje i prekidanje struja motora ili drugih jako induktivnih opterećenja Switching motor loads or other heavily loads
DC-21	Uklapanje i prekidanje djelatnih opterećenja i umjerenih preopterećenja Switching of resistive loads, including moderate overloads
DC-23	Uklapanje i prekidanje induktivnih opterećenja Switching of highly inductive loads

TEHNIČKE INFORMACIJE TECHNICAL INFORMATION

Sklopka Switch

Sklopka je mehanički sklopni aparat koji može uklapati, voditi i prekidati struju normalnog pogona (pod kojima se podrazumijevaju eventualno i određeni uvjeti preopterećenja) i u određenom vremenu podnositi struje nenormalnog pogona, kao što su struje kratkog spoja. Sklopka može uklapati, ali ne i prekidati struje kratkog spoja.

Switch is a mechanical switching device capable of making, carrying and breaking currents under normal circuit conditions which may include specified operating overload conditions and also carrying for a specified time currents under specified abnormal circuit conditions such as those of short circuit.

Rastavna sklopka Switch - disconnecter

Rastavna sklopka je mehanički sklopni aparat koji može uklapati, voditi i prekidati struju normalnog pogona te preopterećenja. U isklapljenom položaju kontakti moraju zadovoljiti izolacijske zahtjeve određene za rastavljač.

Switch disconnecter is mechanically operated switch in a circuit which is able to make, carry and break under normal operating conditions. In the open position the contacts fulfil the requirements of a disconnecter.

Kompaktna rastavna sklopka Compact switch - disconnecter

Kompaktna rastavna sklopka je u osnovi rastavna sklopka izuzetno kompaktne konstrukcije.

Compact switch - disconnecter is basically a switch - disconnecter compact design.

Preklopka Changeover switch

Preklopka je sklopni aparat koji služi za preklapanje dva nezavisna potrošača ili preklapanje dva nezavisna sustava napajanja prema jednom potrošaču.

Tipični primjer za to je preklopka Mreža - Generator koja isklapa glavni sustav napajanja (mrežu) a zatim uklapa generatorski sustav.

Changeover switch is the switching device which is applicable to connect one source with two independent consumers or to connect two independent sources with one consumer. A typical representative of the second category is the „Net-0-Generator“ switch, which is at first disconnecting the main power supply in case of power breakdown safely from the internal net and then switching over to an independent external power generator.

Sklopka za nužni isklop Emergency stop switch

Sklopka za nužni isklop je sklopka koja mora imati crvenu ručicu i žutu podlogu. Ovakva sklopka mora osigurati pozitivno otvaranje kontakata.

The emergency stop switch is the switch that must have red handle and yellow escutcheon plate. The switching contacts must be positively driven.

Glavna sklopka Main switch

U skladu s IEC/EN 60204-1 glavna sklopka osigurava sigurnost električnih uređaja i strojeva.

Ručno upravljane glavne sklopke sposobne su za uklapanje i isklapanje glavnih strujnih krugova.

Rastavne sklopke moraju zadovoljiti kategoriju upotrebe AC23 i sljedeće zahtjeve:

- rastavljanje potrošača od glavnog napajanja što se prikazuje jasnim položajem ručice u isklapljenom položaju. U slučaju da aparat ima okidač, okinuta pozicija mora biti jasno prikazana
- isklapljeni položaj mora jasno označavati da su glavni kontakti u otvorenom položaju. U slučaju da se glavna sklopka ne koristi kao sklopka za sklapanje u slučaju nužde, označava se crnom bojom. Mora biti sposobna za zaključavanje u isklapljenom položaju
- svi vodovi koji mogu doći pod napon moraju biti odvojeni od glavnog kruga
- prekidna moć mora biti takva da je sklopka sposobna isklapati struju najvećeg zakočenog motora i zbroj svih ostalih pogonskih struja, s time da se ne smije prijeći vrijednost nazivne termičke struje.

Kada se glavna sklopka koristi kao sklopka za nužno isklapanje, mora imati crvenu ručicu i žutu podlogu.

According to IEC/EN 60204-1 main switch provides safety and electrical equipment of machinery.

A manually operated main switch has to be provided for every mains supply.

As switch-disconnector it must comply with utilization category AC23 and fulfil the following requirements:

- disconnecting the electric device of the mains, showing a single ON and OFF position each only, clearly marked
- visible isolating distance or position indicator showing the OFF position only in case all contacts are opened in fact and a sufficient clearance according to the normatives is achieved. In case the main switch is not used as an emergency-off switch at the same time, red is excluded as its handle colour. Than black is recommended colour. It has to be lockable in OFF-Position
- all active conductors have to be disconnected of the mains
- the rated breaking capacity has to be sufficient to break the current of the biggest motor in blocked state together with the sum of all operational currents of all other motors/consumers. However, the admitted rated thermal current has not to be exceeded.

When the main switch is used as an emergency stop switch, it must have a red handle and yellow escutcheon plate.

TEHNIČKE INFORMACIJE TECHNICAL INFORMATION

Nazivna trajna struja $I_u(I_n)$ Rated uninterrupted current $I_u(I_n)$

Nazivna trajna struja je efektivna vrijednost struje, definirana od strane proizvođača, koju sklopni aparat mora moći trajno voditi pod točno specificiranim uvjetima.

The rated uninterrupted current of an equipment is a value of current, stated by the manufacturer, which the equipment can carry in uninterrupted duty.

Nazivna termička struja I_{th} Conventional free air thermal current I_{th}

Nazivna termička struja je najveća vrijednost struje koju uređaj može voditi u trajanju od 8 sati, a da zagrijavanje pojedinih dijelova ne prijeđe granice navedene u normi IEC 60947.

The conventional free air thermal current is the maximum value of test current to be used for temperature-rise tests of unenclosed equipment in free air. The value of the conventional free air thermal current shall be at least equal to the maximum value of the rated operational current (refer to IEC 60947) of the unenclosed equipment in eight-hour duty.

Nazivna pogonska struja I_e Rated operational current I_e

Nazivna pogonska struja je struja koju uređaj može trajno voditi s obzirom na nazivni pogonski napon, nazivnu frekvenciju, kategoriju upotrebe i temperaturu okoline.

A rated operational current of an equipment is stated by the manufacturer and takes into account the rated operational voltage, the rated frequency, the rated duty and utilization category.

Nazivni pogonski napon U_e Rated operational voltage U_e

Nazivni pogonski napon je napon koji označava gornju granicu najvišeg linijskog napona za koji je uređaj namijenjen. Zajedno sa nazivnom pogonskom strujom određuje primjenu uređaja kao i kategoriju upotrebe.

A rated operational voltage of an equipment is a value of voltage which, combined with a rated operational current, determines the application of the equipment and to which the relevant tests and the utilization categories are referred.

Nazivni udarni podnosivi napon U_{imp} Rated impulse withstand voltage U_{imp}

Nazivni udarni podnosivi napon je vršna vrijednost udarnog napona koju oprema podnosi bez greške pod određenim ispitnim uvjetima i čijom vrijednošću su definirani izolacijski razmaci.

The peak value of an impulse voltage of prescribed form and polarity which the equipment is capable of withstanding without failure under specified conditions of test and to which the values of the clearances are referred.

Nazivni izolacijski napon U_i Rated insulation voltage U_i

Nazivni izolacijski napon je vrijednost napona na koji se odnose dielektrična ispitivanja, izolacijski razmaci i klizne staze. Maksimalna vrijednost nazivnog pogonskog napona ne smije biti veća od nazivnog izolacijskog napona. Za opremu koja nema definirani izolacijski napon, uzima se da je nazivni izolacijski napon jednak najvišoj vrijednosti nazivnog pogonskog napona opreme.

The rated insulation voltage of an equipment is the value of voltage to which dielectric tests and creepage distances are referred. In no case shall the maximum value of the rated operational voltage exceed that of the rated insulation voltage. For equipment not having a specified rated insulation voltage, the highest value of the rated operational voltage is considered to be the rated insulation voltage.

Nazivni kratkotrajno podnosiva struja I_{cw} Rated short time withstand current I_{cw}

Nazivna kratkotrajno podnosiva struja je efektivna vrijednost struje koju sklopni aparat može voditi u zatvorenom položaju točno propisano vrijeme i pod točno propisanim uvjetima upotrebe (nazivni pogonski napon, nazivna pogonska struja).

The rated short-time withstand current of an equipment is the value of short-time withstand current, assigned to the equipment by the manufacturer, that the equipment can carry without damage, under the test conditions specified in the relevant product standard.

TEHNIČKE INFORMACIJE *TECHNICAL INFORMATION*

Stupanj mehaničke zaštite IP **IP Rating**

Ovisno o primjeni sklopnih aparata u različitim uvjetima okoline, definiraju se različiti stupnjevi mehaničke zaštite označeni sa IP (International Protection ili Ingress Protection). Vidi tablicu na stranici 146.

Relative to suitability for various ambient conditions electrical devices are classified in different degrees of protection, so-called IP-codes (International Protection). See table on page 146.

Pozitivno otvaranje kontakata **Positively driven operation**

U skladu sa IEC/EN 60947-5-1 pozitivno otvaranje kontakata garantira da će glavni kontakti biti potpuno otvoreni kada je ručica (izvršni član) u isklupljenom položaju.

According to IEC/EN 60947-5-1 positively driven contacts must guarantee, that the contacts are completely opened when the handle (switch actuator) is in OFF position.

Pomoćni kontakti tipa NO (normal open) **- uklopni kontakti** **Auxiliary contacts type NO**

Označavaju pomoćne kontakte koji su u istom položaju kao i glavni kontakti uređaja (kada su glavni kontakti uređaja u otvorenom položaju i pomoćni kontakti su u otvorenom položaju).

Auxiliary contact which is closed when the main contacts of the mechanical switching device are closed and open when they are opened.

Pomoćni kontakti tipa NC (normal closed) **- isklopni kontakti** **Auxiliary contacts type NC**

Označavaju pomoćne kontakte koji su u suprotnom položaju od glavnih kontakata uređaja (kada su glavni kontakti uređaja u otvorenom položaju pomoćni kontakti su u zatvorenom položaju).

Auxiliary contact which is opened when the main contacts of the mechanical switching device are closed and closed when they are opened.

BILJEŠKE *NOTES*

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■ ROTARY CAM SWITCHES AND SWITCH DISCONNECTORS

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