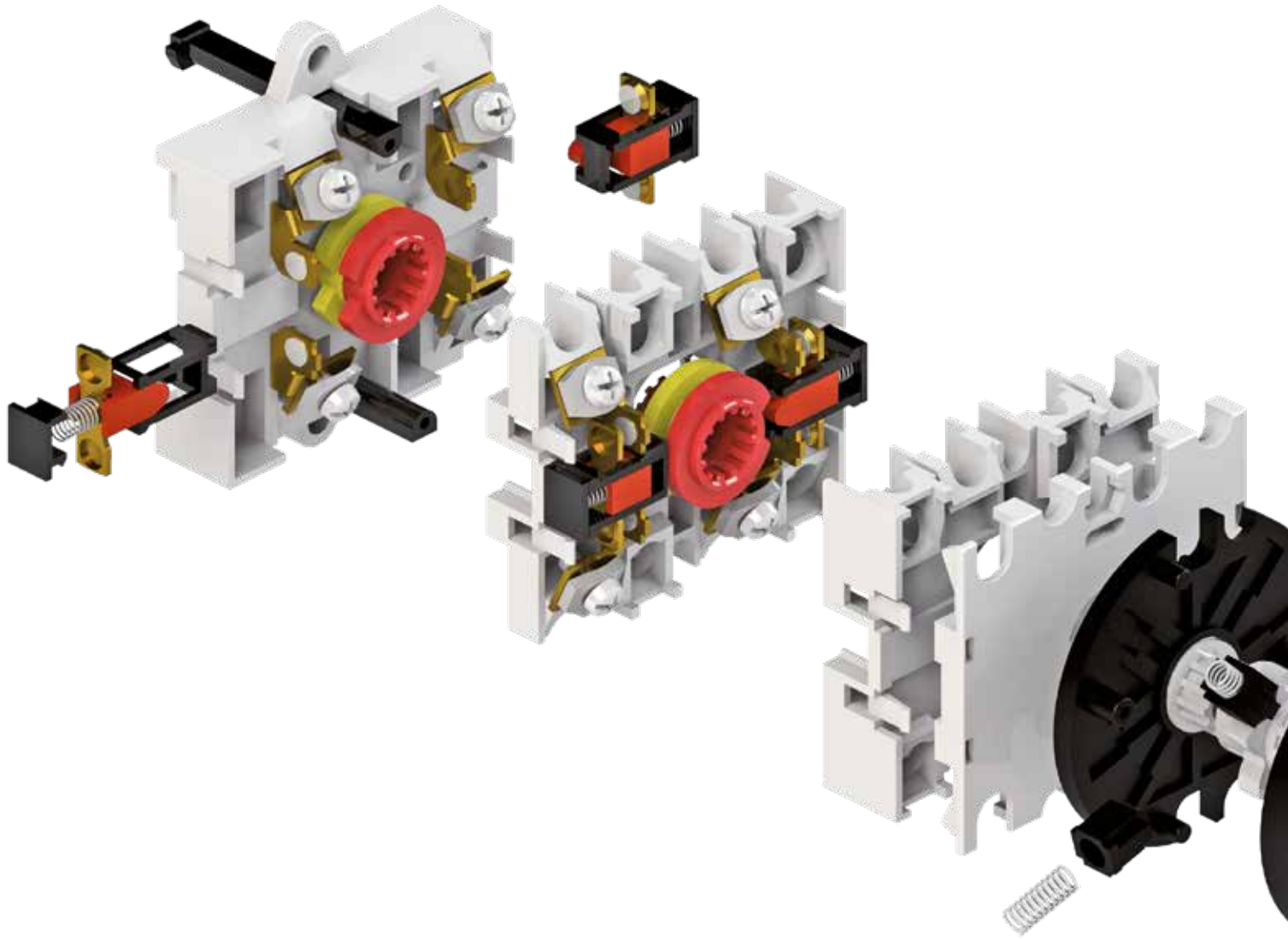


# ROTARY CAM SWITCHES GX SERIES

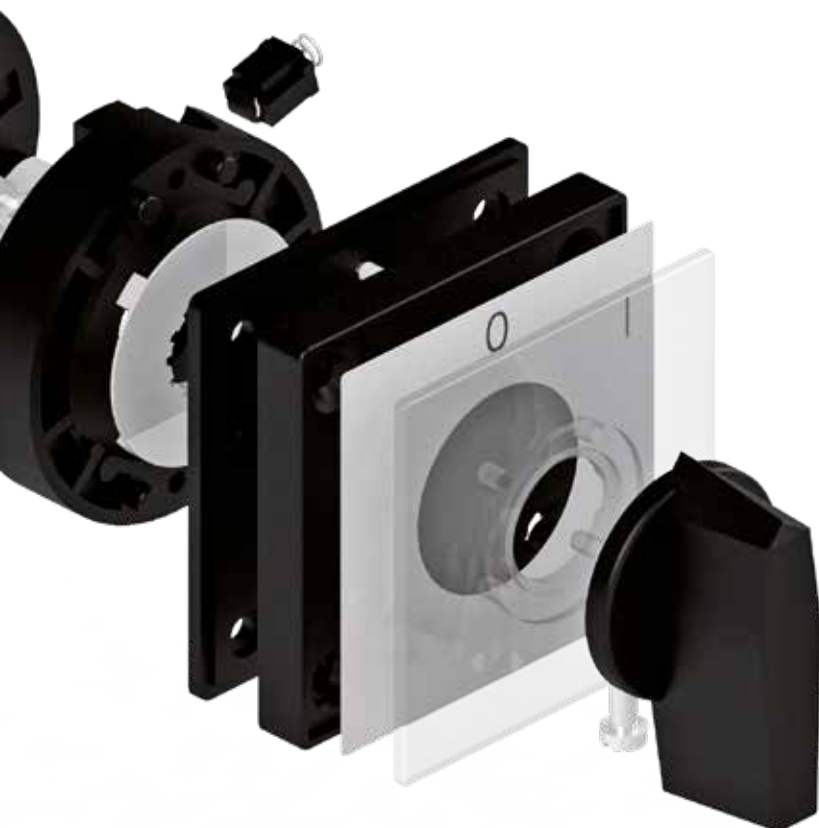


 **Lovato**  
**KONČAR**



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## GREBENASTE SKLOPKE serije GX

Grebenaste sklopke GX serije pripadaju novoj seriji grebenastih sklopki sa zaštitom od slučajnih dodira (svi priključci i kratkospojnice) – DIN/EN61140. Konstruirane su prema najsuvremenijim principima i dostignućima na području sklopnih aparata uz uporabu najkvalitetnijih izolacijskih i kontaktnih materijala. 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 sa više brzina itd.
- u pomoćnim strujnim krugovima sastavljaju se prema željenom programu sklapanja: sklopke za komandne, signalne i mjerne krugove
- sklopke, preklopke i stepenaste sklopke npr. za transformatore i aparate za zavarivanje
- grupne sklopke npr. za sklapanje otpornika i grijaača
- zakretna tipkala s automatskim povratom

Sklopke mogu imati najviše 12 upravljačkih položaja i 12 sklopnih elemenata (24 kontakta), 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 (samo ugradbene izvedbe) s većim razdjelnim uređajima koje imaju **oznaku B** (npr. GX20B).

Kod sklopki gdje se traži prednji sklop veći od standardnog, sklopke imaju **oznaku H** (npr. GX20H).

Ako se sklopke koriste za napone niže od 24V i male struje reda mA, u uvjetima prašnjave i agresivne atmosfere, tada se mogu izraditi sa pozlaćenim kontaktima.

Sklopke se mogu koristiti pri temperaturama okoline od - 25°C do + 55°C. Osim standardnih izvedbi U, O, P, sklopke mogu biti isporučene sa čitavim nizom posebnih izvedbi te kao takve mogu ispuniti sve zahtjeve u najsloženijim postrojenjima i uređajima.

Grebenaste sklopke serije GX udovoljavaju mnogim internacionalnim i nacionalnim propisima kao što su:

**IEC 60947, IEC 60204, DIN EN 61058, UL 508, C 22.2 No. 14** itd.

## ROTARY CAM SWITCHES series GX

*Rotary cam switches series GX is the new series of rotary cam switches protected from inadvertent touch (all connections and jumpers) – DIN/EN61140. They have been designed on modern principles taking into consideration the latest achievements in the field of switching devices and using the best insulation and contact materials.*

*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 and heaters*
- *control switch with automatic return*

*The rotary cam switches can have 12 control positions and 12 switching elements (24 contacts) 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 (only front mounting) with the bigger distribution device, **marked with B**, are used (e.g. GX20B).*

*At the switches where is front part bigger than standard size required, the switches are **marked with H** (e.g. GX20H).*

*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 can be used at the environment temperature from - 25°C to + 55°C.*

*Besides the standard mounting forms U, O, P, 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 series GX comply with many international and national standards such as: **IEC 60947, IEC 60204, DIN EN 61058, UL 508, C 22.2 No. 14** and many others.*

TIP SKLOPKE SWITCH TYPE				GX16 GX16H	GX20 GX20H	GX32 GX32H	GX40 GX40H
Nazivni izolacijski napon <i>Rated insulation voltage</i>	1)	$U_i$	IEC/VDE/BS UL/CSA	V V	690 600	690 600	690 600
Nazivni udarni podnosivi napon <i>Rated impulse withstand voltage</i>		$U_{imp}$	IEC-60947 (III/3)	kV	6	6	6
Nazivna termička struja <i>Rated thermal current</i>		$I_{th}$	IEC/VDE/BS UL/CSA	A A	16 12	20 15	32 32
Glavna sklopka IEC-60947 (III/3) 1)			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	440 4	440 4	440 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
Nazivna kratkotrajno podnosiva struja <i>Rated short-time withstand current</i>		$I_{cw}$	1 sec	A	250	250	1000
Nazivna pogonska struja <i>Rated operational current</i>		$I_e$	AC1/AC21A IEC/VDE/BS 110 V AC15 220/230 V IEC/VDE 380/400 V 660/690 V	A A A A A	16 10 8 4 1,5	20 10 8 6 1,5	32 25 20 10 2
Motorska sklopka za kategoriju upotrebe	AC3		IEC/VDE/BS 220/230 V 3 faze 380-440 V 3 phase 500-690 V	kW kW kW	3,5 4,5 5,5	3,7 5,5 5,5	7,5 11 11
Motor switch in utilization category			1 faza, 2 pola 120 V 1 phase, 2 pole 220/230 V 380-440 V	kW kW kW	- 1,5 2,2	- 1,8 3	1,8 3,5 5,5
	AC23		IEC/VDE/BS 220/230 V 3 faze 380-440 V 3 phase 500-690 V	kW kW kW	3,7 6,5 7,5	4 7,5 7,5	8 15 15
			1 faza, 2 pola 120 V 1 phase, 2 pole 220/230 V 380-440 V	kW kW kW	- 1,8 3	- 2,2 3,5	2,2 3,5 6
Motorska sklopka Motor switch	DOL		UL/CSA 120 V 3 faze 240 V 3 phase 480 V 600 V	HP HP HP HP	1,5 3 5 5	1,5 3 5 5	3 7,5 15 15
Prekidanje kod istosmjerne struje <i>DC Switching capacity</i>	DC21A	T=1 ms	48 V Nazivna struja 60 V <i>Rated current</i> $I_e$ 110 V 220 V za 1 kontakt for 1 contact 440 V	A A A A A	16 16 4 0,6 0,25	20 20 4 0,6 0,25	32 32 5 0,8 0,25
	DC23	T=15 ms	24 V Nazivna struja 48 V <i>Rated current</i> , $I_e$ 60 V (Broj kontakata u seriji) (Number of series contacts) 110 V 220 V	A A A A A	16 <sup>1)</sup> 16 <sup>2)</sup> 16 <sup>3)</sup> 10 <sup>3)</sup> 10 <sup>4)</sup>	20 <sup>1)</sup> 20 <sup>2)</sup> 20 <sup>3)</sup> 10 <sup>3)</sup> 8 <sup>4)</sup>	32 <sup>1)</sup> 32 <sup>2)</sup> 32 <sup>3)</sup> 15 <sup>3)</sup> 12 <sup>4)</sup>
	DC13	T=50 ms	48 V Nazivna struja 60 V <i>Rated current</i> $I_e$ 110 V 220 V za 1 kontakt for 1 contact 440 V	A A A A A	14 10 1 0,4 0,15	16 12 1 0,4 0,15	25 14 3 0,5 0,15
Mehanička trajnost <i>Mechanical durability</i>			Broj uklopa <i>Switching cycles</i>		1x10 <sup>6</sup>	1x10 <sup>6</sup>	1x10 <sup>6</sup>
Priključni vijak <i>Terminal screw</i>				M	3	3	4
Presjek vodiča <i>Conductor size</i>		max. r/f		2x $\frac{mm^2}{AWG}$	2,5/2,5 12/12	2,5/2,5 12/12	10/6 8/10
		min. r/f		2x $\frac{mm^2}{AWG}$	0,5/0,5 20/20	0,5/0,5 20/20	1,5/1,5 16/16

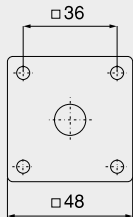
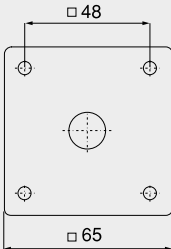
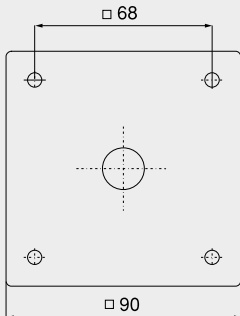
<sup>1)</sup> vrijedi za mreže sa uzemljenim zvjezdištem, prenaponska kategorija III, stupanj zagađenja 3

<sup>1)</sup> valid for neutral earthed systems, overvoltage category III, pollution degree 3.

## STANDARDNI OBLICI UGRADNJE *STANDARD MOUNTING FORMS*

Oblik ugradnje <i>Mounting form</i>	Oznaka <i>Marking</i>	Zaštita <i>Protection</i>		Tip <i>Type</i>	Veličina <i>Size</i>	Izgled <i>Outlook</i>
		Prednja <i>Front</i>	Stražnja <i>Rear</i>			
Ugradna sklopka <i>Front mounting</i>	<b>U</b>	IP 40	IP 20	GX16 GX20 GX32 GX40	A0 A0 A1 A1	
Ugradna sklopka s većim prednjim sklopom <i>Front mounting with the bigger front part i.e. mounting size</i>	<b>U</b>	IP 40	IP 20	GX16H GX20H GX32H GX40H	A1 A1 A2 A2	
Sklopka za odvojenu ugradnju <i>Rear mounting</i>	<b>O</b>	IP 40	IP 20	GX16 GX20 GX32 GX40	A0 A0 A1 A1	
Sklopka za odvojenu ugradnju s većim prednjim sklopom <i>Rear mounting with the bigger front part i.e. mounting size</i>	<b>O</b>	IP 40	IP 20	GX16H GX20H GX32H GX40H	A1 A1 A2 A2	
Sklopka u plastičnom kućištu <i>Switch in plastic casing</i>	<b>P</b>		IP65 IP65 IP65 IP65	GX16 GX20 GX32 GX40		

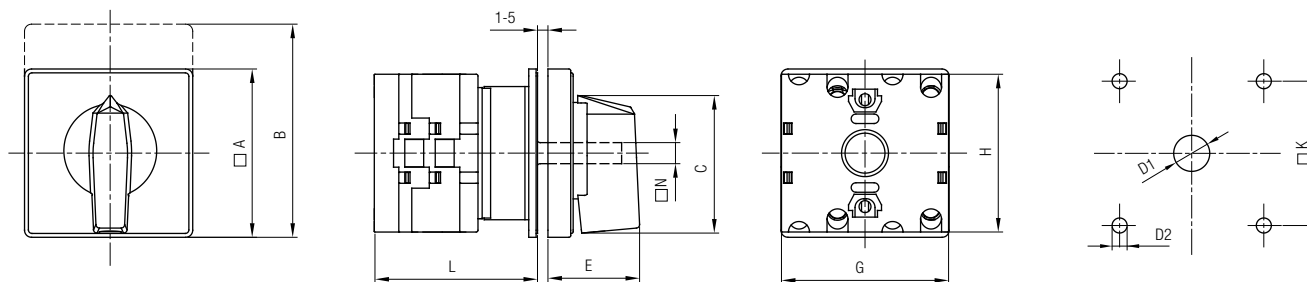
## UGRADNE VELIČINE *MOUNTING SIZES*

<b>A0</b>	<b>A1</b>	<b>A2</b>
GX16 GX20	GX32 GX40      GX16H GX20H	GX32H GX40H
		

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

## U - Ugradna sklopka *Front mounting*

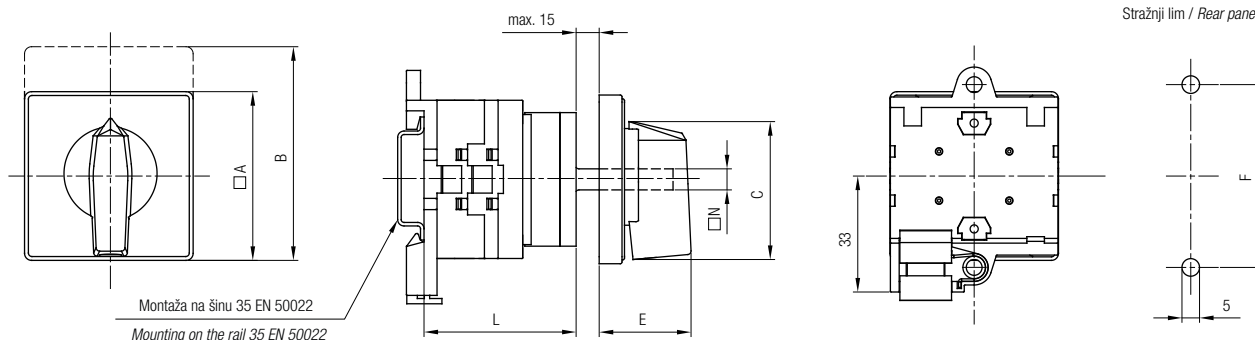
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



Tip/Type	Oznaka / <i>Marking</i>										Broj elemenata <i>L</i> / <i>Number of elements</i>											
	□A	B	C	∅D1	∅D2	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	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	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	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	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*

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



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

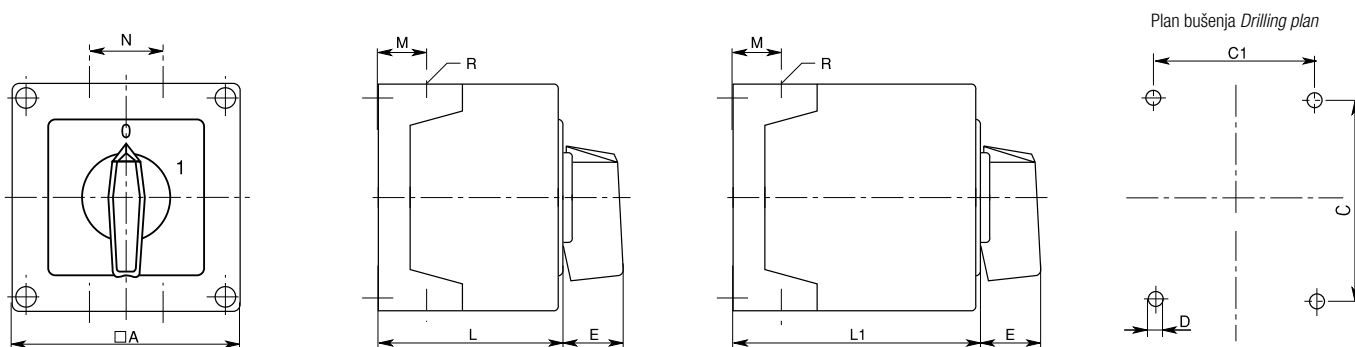
Tip/Type	Oznaka / <i>Marking</i>							Broj elemenata <i>L</i> / <i>Number of elements</i>											
	□A	B	C	E	F	□N	1	2	3	4	5	6	7	8	9	10	11	12	
GX16	48	60	39,5	26,5	52	6	37	45,5	54	62,5	71	79,5	88	96,5	105	113,5	122	130,5	
GX16H	65	80	53	34,5	52	6	37	45,5	54	62,5	71	79,5	88	96,5	105	113,5	122	130,5	
GX20	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	
GX20H	65	80	53	34,5	52	6	37	45,5	54	62,5	71	79,5	88	96,5	105	113,5	122	130,5	
GX32	65	80	53	34,5	68	7	48	60	72	84	96	108	120	132	144	156	168	180	
GX32H	90	110	70,5	41,5	68	7	48	60	72	84	96	108	120	132	144	156	168	180	
GX40	65	80	53	34,5	68	7	48	60	72	84	96	108	120	132	144	156	168	180	
GX40H	90	110	70,5	41,5	68	7	48	60	72	84	96	108	120	132	144	156	168	180	

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

Tip/Type	Broj elemenata <i>L</i> / <i>Number of elements</i>											
	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

## MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

### P - SKLOPKA U PLASTIČNOM KUĆIŠTU *SWITCH IN PLASTIC CASING*



Tip/Type	Tip kućišta Housing size	Broj elemenata Number of elements		A	C	C1	D	E	M	N	L	L1	Zaštita Protection	Uvodnice Conduit entries		
		L	L1											R(Pg)	ili / or	R(M...x1,5)
<b>GX16</b> <b>GX20</b>	90x90	1-2	3-5	90	79	63	4,5	25	19	30	71,3	98,3	IP65	4xPg16	ili / or	4xM20
<b>GX16</b> <b>GX20</b>	110x110	1-3	4-7	110	98,4	83	4,5	32	21	39,5	85,5	119,5	IP65	4xPg21	ili / or	4xM25
<b>GX32</b> <b>GX40</b>		1-2	3-4													

## POTVRDE *APPROVALS*

ZEMLJA LAND	ZNAK SYMBOL	GX16	GX20	GX32	GX40
USA / Canada		■	■	■	■
Nizozemska Netherland		■	■	■	■
Rusija Russia		■	■	■	■



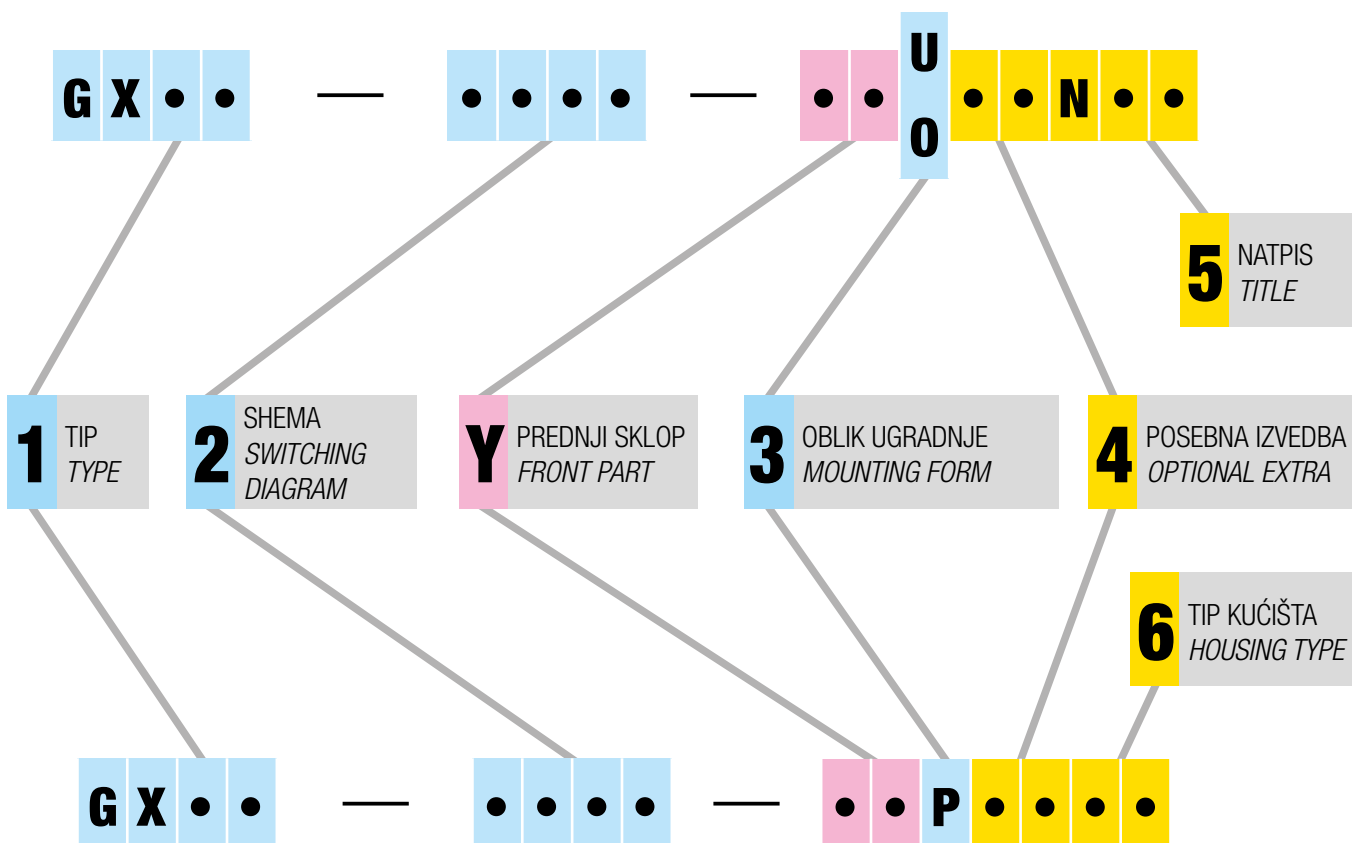
## NARUDŽBENI KOD *ORDERING CODE*

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

OPIS	DESCRIPTION
<b>1</b> Tip sklopke. Odabire se prema tehničkim zahtjevima (vidi str. 3) i ugradbenoj veličini (vidi stranu 4)	<b>Switch type.</b> To be chosen in accordance with the technical requests (see page 3) and mounting size (see page 4)
<b>2</b> Shema. Odabire se prema programu sklapanja (vidi katalog shema 74002)	<b>Switching diagram.</b> To be chosen in accordance with the switching program (see catalogue with scheme 74002)
<b>Y</b> Prednji sklop. Upisuje se samo ako se traži nestandardna kombinacija boja i oblika prednjeg sklopa (vidi str. 8)	Front part. To be marked only when non-standard front part colour and form combination is required (see page 8)
<b>3</b> Standardni oblici ugradnje (vidi str. 4)	<b>Standard mounting forms (see page 4)</b>
<b>4</b> Upisuje se ako se traži posebna izvedba (vidi str. 10 - 35)	To be marked when an optional extra is required (see pages 10 - 35)
<b>5</b> "N" se upisuje ako se traži prednja ploča s natpisom (vidi str. 38)	"N" is to be written when the front plate with a title is required (see page 38)
<b>6</b> Upisuje se ako se traži nestandardna izvedba plastičnog kućišta (vidi str. 9)	To be marked when a non-standard plastic casing version is required (see page 9)

## 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 GX20, shema 100, standardna kombinacija boja, ugradna sklopka, narudžbena oznaka glasi:

EXAMPLE: For switch GX20, switching diagram 100, standard colour combination, front mounting, the ordering code is:

**GX20 - 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:

**GX20 - 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)

### 2. MOUNTING FORM:

Switch in plastic casing (P)

				KOD / CODE			
Kućište <i>Casing</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
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 GX20, shema 100, standardna kombinacija boja, u plastičnom kućištu, narudžbena oznaka glasi:

EXAMPLE: For switch GX20, switching diagram 100, standard colour combination, in plastic casing, the ordering code is:

**GX20 - 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:

**GX20 - 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 PLASTIČNOG KUĆIŠTA *PLASTIC CASING SELECTION*

			KOD / CODE		
Tip kućišta (mm) <i>Casing size</i>	Zaštita <i>Protection</i>	Uvodnice <i>Conduit entries</i>	6	Vrsta kućišta <i>Housing type</i>	Tip sklopke <i>Switch type</i>
90x90	IP65	4xPg16			GX16/GX20
	IP65	4xM20x1,5		C2	GX16/GX20
110x110	IP65	4xPg21			GX32/GX40
	IP65	4xPg21		E1	GX16/GX20
	IP65	4xM25x1,5		E2	GX16/GX20/GX32/GX40

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

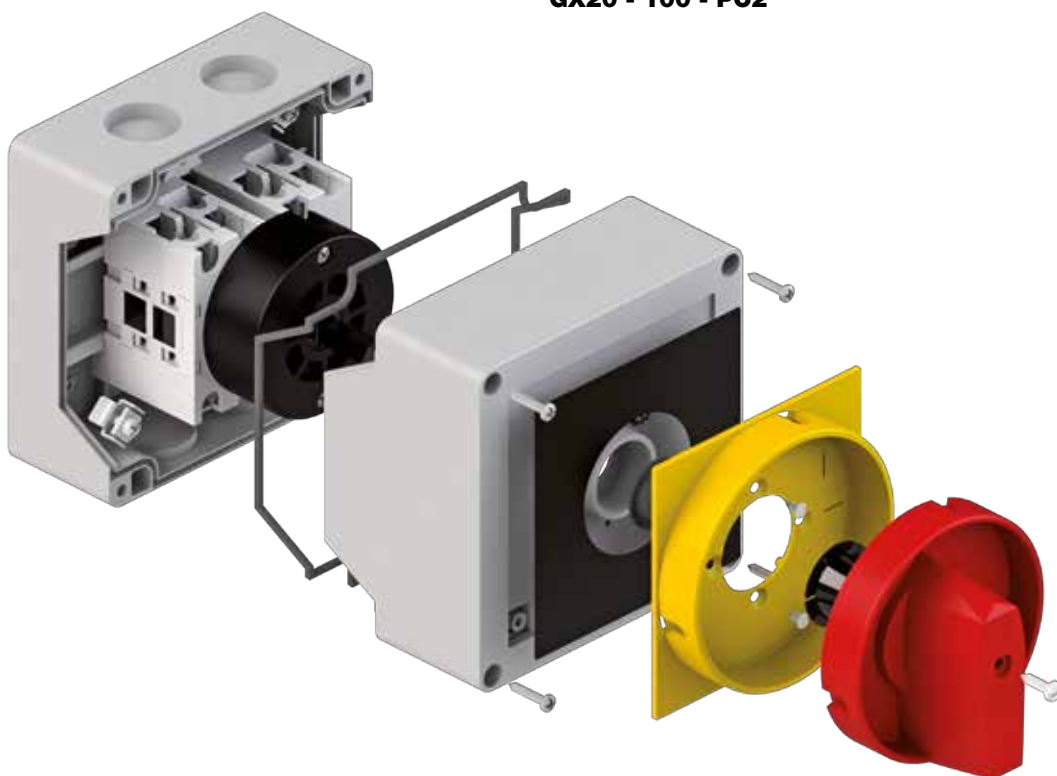
*EXAMPLE: For the switch GX20 switching diagram 100, standard colour combination, plastic casing 90 x 90, with standard protection and conduit entries, the ordering code is:*

**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 casing but with conduit entries 4 x M20 x 1,5 has the ordering code:*

**GX20 - 100 - PC2**



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

POVEĆANI STUPANJ ZAŠTITE  
*INCREASED PROTECTION DEGREE*



**51**

Zaštita sprijeda IP65  
*Front protection IP65*

GX16	.....	U	51
GX16H	.....	U	51
GX20	.....	U	51
GX20H	.....	U	51
GX32	.....	U	51
GX32H	.....	U	51
GX40	.....	U	51
GX40H	.....	U	51
GX16	.....	O	51
GX16H	.....	O	51
GX20	.....	O	51
GX20H	.....	O	51
GX32	.....	O	51
GX32H	.....	O	51
GX40	.....	O	51
GX40H	.....	O	51

SKLOPKA ZA NUŽNO ISKLAPANJE  
*EMERGENCY OFF SWITCH*



**24**

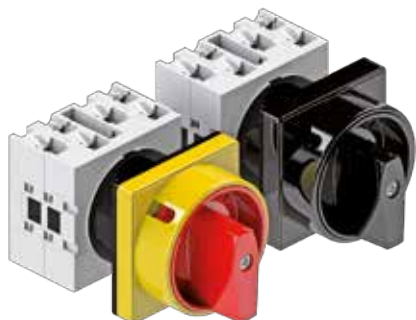
Standardna sklopka sa žutom prednjom pločom,  
žutom podlogom i crvenom ručicom.

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

GX16	.....	U	24
GX16H	.....	U	24
GX20	.....	U	24
GX20H	.....	U	24
GX32	.....	U	24
GX32H	.....	U	24
GX40	.....	U	24
GX40H	.....	U	24
GX16	.....	O	24
GX16H	.....	O	24
GX20	.....	O	24
GX20H	.....	O	24
GX32	.....	O	24
GX32H	.....	O	24
GX40	.....	O	24
GX40H	.....	O	24

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°.*

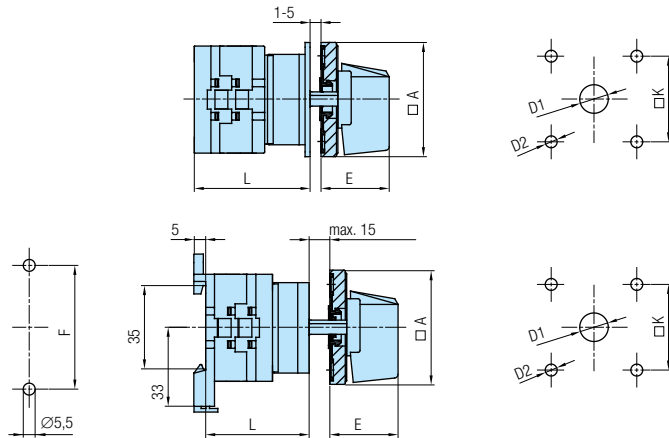


GX16	.....	U	23	25
GX16H	.....	U	23	25
GX20	.....	U	23	25
GX20H	.....	U	23	25
GX32	.....	U	23	25
GX32H	.....	U	23	25
GX40	.....	U	23	25
GX40H	.....	U	23	25
GX16	.....	O	23	25
GX16H	.....	O	23	25
GX20	.....	O	23	25
GX20H	.....	O	23	25
GX32	.....	O	23	25
GX32H	.....	O	23	25
GX40	.....	O	23	25
GX40H	.....	O	23	25

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

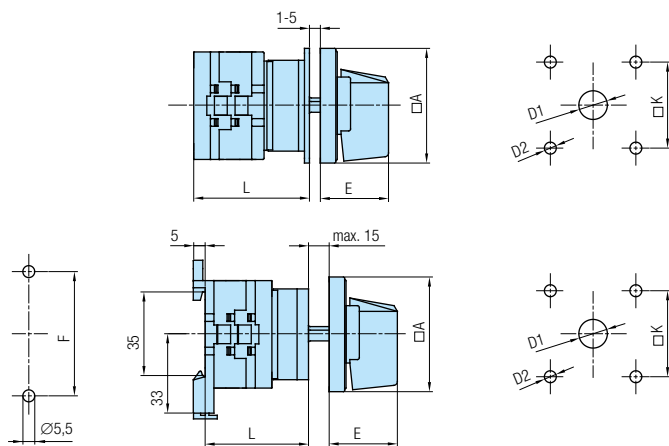
Plan bušenja / *Drilling plan*  
Stražnji lim / *Rear panel*

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



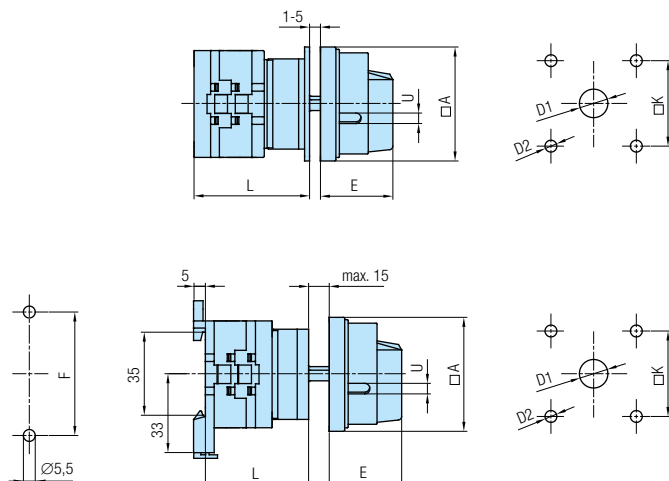
Tip Type	Oznaka / Marking					L			
	□A	D1	D2	E	□K	1	2	3.....12	
GX 16	48	12	5	26,5	36	40	48,5	57	133,5
GX 16H	65	12	5	34,5	48	40,5	49	57,5	134
GX 20	48	12	5	26,5	36	40	48,5	57	133,5
GX 20H	65	12	5	34,5	48	40,5	49	57,5	134
GX 32	65	14	5	34,5	48	48	60	72	180
GX 32H	90	14	6	41,5	68	50	62	74	182
GX 40	65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

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



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

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



Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	U	□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

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

## POSEBNE IZVEDBE *OPTIONAL EXTRAS*

## KOD *CODE*

### 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.*

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	56
siva / grey	siva / grey	bijela / white	20

GX16 ..... U 56  
GX20 ..... U 56

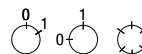
GX16 ..... O 56  
GX20 ..... O 56



#### 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).*



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

GX16 ..... U 06  
GX16H ..... U 06  
GX20 ..... U 06  
GX20H ..... U 06  
GX32 ..... U 06  
GX32H ..... U 06  
GX40 ..... U 06  
GX40H ..... U 06

GX16 ..... O 06  
GX16H ..... O 06  
GX20 ..... O 06  
GX20H ..... O 06  
GX32 ..... O 06  
GX32H ..... O 06  
GX40 ..... O 06  
GX40H ..... O 06



#### 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.*

RUČICA HANDLE	PREDNJA PLOČA FRONT PLATE	PODLOGA ESCUTCH. PLATE	Y KOD / CODE
crna / black	crna / black	bijela / white	06D
siva / grey	siva / grey	bijela / white	20
crvena / red	žuta / yellow	žuta / yellow	40
crna / black	crna / black	crna / black	50

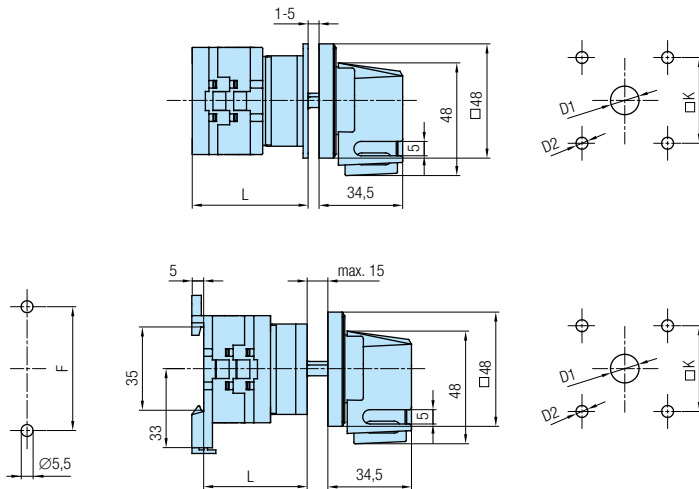
GX32H ..... U 06D  
GX40H ..... U 06D

GX32H ..... O 06D  
GX40H ..... O 06D

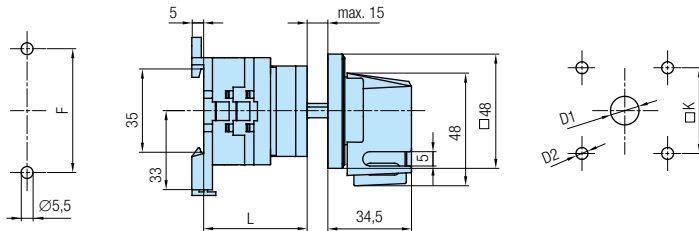
# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

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

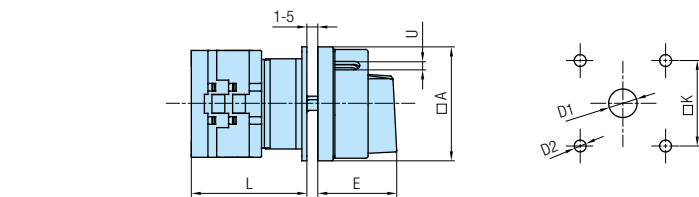
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



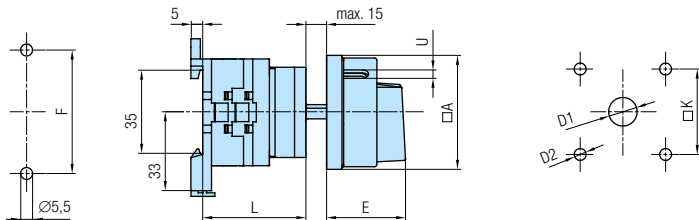
Tip Type	Oznaka / Marking			L			
	D1	D2	□K	1	2	3...12	
GX 16	12	5	36	40	48,5	57	133,5
GX 20	12	5	36	40	48,5	57	133,5



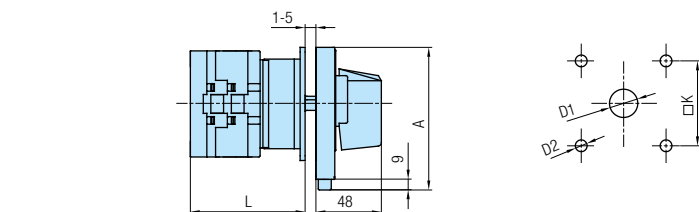
Tip Type	Oznaka / Marking				L			
	D1	D2	F	□K	1	2	3...12	
GX 16	12	5	52	36	37	45,5	54	130,5
GX 20	12	5	52	36	37	45,5	54	130,5



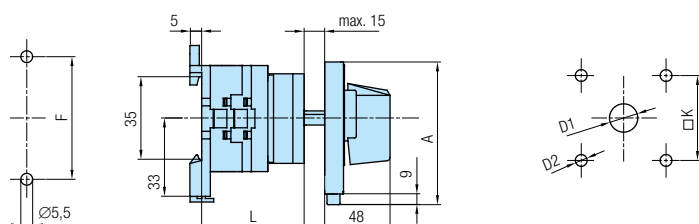
Tip Type	Oznaka / Marking						L			
	□A	D1	D2	E	□K	U	1	2	3...12	
GX 16	48	12	5	34,2	36	5	40	48,5	57	133,5
GX 16H	65	12	5	38	48	6	40,5	49	57,5	134
GX 20	48	12	5	34,2	36	5	40	48,5	57	133,5
GX 20H	65	12	5	38	48	6	40,5	49	57,5	134
GX 32	65	14	5	38	48	6	48	60	72	180
GX 32H	90	14	6	49	68	7	50	62	74	182
GX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



Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	F	□K	U	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



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



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

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

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.*

GX16H	.....	U	05
GX20H	.....	U	05
GX32	.....	U	05
GX40	.....	U	05



**13**

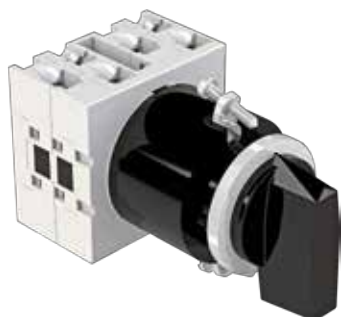
Utični ključ. Standardno vađenje ključa u "0".  
Na posebni zahtjev moguće i u drugim položajima pod 90°

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



GX16H	.....	U	13
GX20H	.....	U	13
GX32	.....	U	13
GX40	.....	U	13

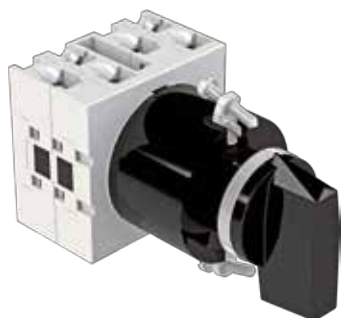
CENTRALNA UGRADNJA  
*CENTRAL MOUNTING*



**09**

Ugradnja u Ø30 mm  
*Mounting into Ø30 mm*

GX16	.....	U	09
GX20	.....	U	09



**11**

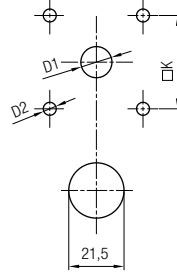
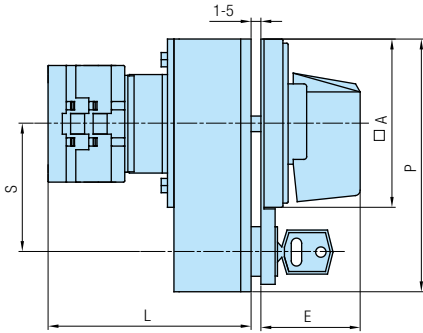
Ugradnja u Ø22 mm  
*Mounting into Ø22 mm*

GX16	.....	U	11
GX20	.....	U	11

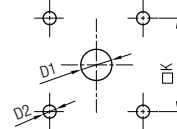
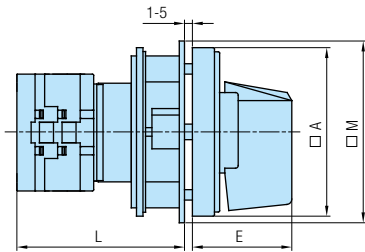


# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

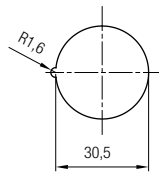
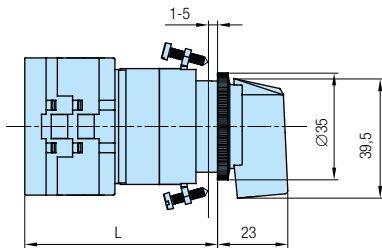
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



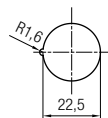
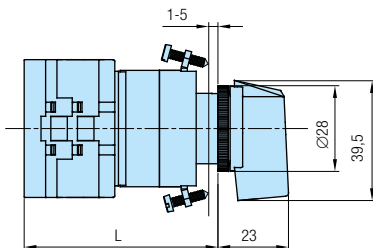
Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□K	P	S	1	2	3...12	
<b>GX 16H</b>	65	12	5	36	48	65x98	48	70,5	79	87,5	164
<b>GX 20H</b>	65	12	5	36	48	65x98	48	70,5	79	87,5	164
<b>GX 32</b>	65	14	5	36	48	65x98	48	78	90	102	210
<b>GX 40</b>	65	14	5	36	48	65x98	48	78	90	102	210



Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	□M	□K	1	2	3...12		
<b>GX 16H</b>	65	12	5	34,5	70	48	55,5	64	72,5	149	
<b>GX 20H</b>	65	12	5	34,5	70	48	55,5	64	72,5	149	
<b>GX 32</b>	65	14	5	34,5	70	48	63	75	87	195	
<b>GX 40</b>	65	14	5	34,5	70	48	63	75	87	195	



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



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

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

CENTRALNA UGRADNJA  
*CENTRAL MOUNTING*



**20**

Ugradnja u  $\varnothing 22$  mm odnosno  $\varnothing 30$  mm.  
Montaža s dva vijka.

*Mounting into  $\varnothing 22$  mm or  $\varnothing 30$  mm with two screws.*

GX16	.....	U	20
GX20	.....	U	20



**36**  
**37**

Brza ugradnja u  $\varnothing 22$  mm (izvedba 36),  
odnosno  $\varnothing 30$  mm (izvedba 37).

*Quick mounting into  $\varnothing 22$  mm (optional extra 36) or  
into  $\varnothing 30$  mm (optional extra 37).*

GX16	.....	U	36	iii / or	37
GX20	.....	U	36		37



**47**

Brza montaža u  $\varnothing 22$  mm. Utična montaža kontaktnog  
bloka i prednjeg sklopa (odvajanje u položaju "0").

*Quick mounting into  $\varnothing 22$  mm. Snap-on mounting of  
contact block with front part (separation in position "0").*

GX16	.....	U	47
GX20	.....	U	47



**67**

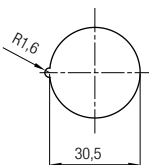
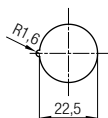
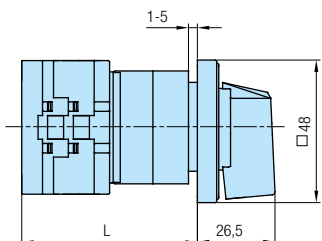
Brza montaža u  $\varnothing 22$  mm. Utična montaža kontaktnog  
bloka i prednjeg sklopa (odvajanje u položaju "0").

*Quick mounting into  $\varnothing 22$  mm. Snap-on mounting of  
contact block with front part (separation in position "0").*

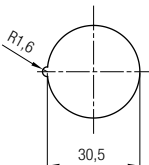
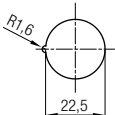
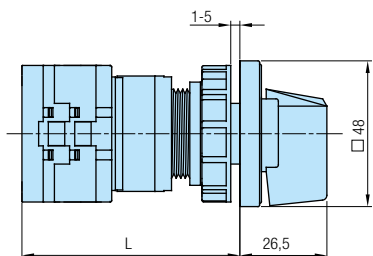
GX16	.....	U	67
GX20	.....	U	67

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

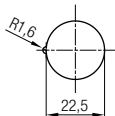
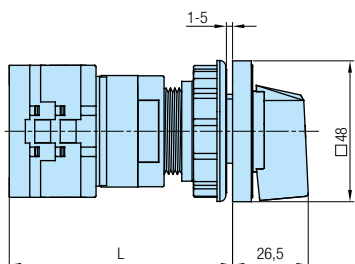
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



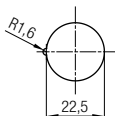
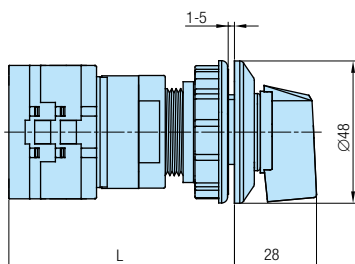
Tip Type	L			
	1	2	3...12	
GX 16	49,2	57,7	66,2	142,7
GX 20	49,2	57,7	66,2	142,7



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



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



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

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

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



**10**

Ugradnja u Ø30 mm.  
Zaključavanje odnosno vadenje ključa pod 90°,  
Moguća 1 - 4 zaključana položaja unutar 360°  
(potrebno definirati).

*Mounting into Ø30 mm.  
Locking and pull-out of the key at 90°  
Possible 1 - 4 locked positions within 360°  
(please define).*



GX16 ..... U 10  
GX20 ..... U 10



**12**

Ugradnja u Ø22 mm.  
Zaključavanje odnosno vadenje ključa pod 90°,  
Moguća 1 - 4 zaključana položaja unutar 360°  
(potrebno definirati).

*Mounting into Ø22 mm.  
Locking and pull-out of the key at 90°  
Possible 1 - 4 locked positions within 360°  
(please define).*



GX16 ..... U 12  
GX20 ..... U 12



**29**  
**30**

Brza montaža u Ø22 mm (izvedba 29)  
odnosno u Ø30 mm (izvedba 30).  
Zaključavanje odnosno vadenje ključa pod 90°,  
Moguća 1 - 4 zaključana položaja unutar 360°  
(potrebno definirati).

*Quick mounting into Ø22 mm (optional extra 29)  
or into Ø30 mm (optional extra 30).  
Locking and pull-out of the key at 90°  
Possible 1 - 4 locked positions within 360°  
(please define).*



GX16 ..... U 29 / or 30  
GX20 ..... U 29 / or 30



**41**  
**42**

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

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



GX16 ..... U 41 / or 42  
GX20 ..... U 41 / or 42

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

**29D**

Ugradnja u Ø22 mm.  
Utična montaža kontaktnog bloka i prednjeg sklopa.

*Mounting into Ø22 mm.  
Snap-on mounting of contact block with front part.*

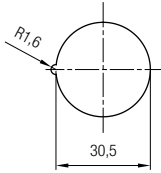
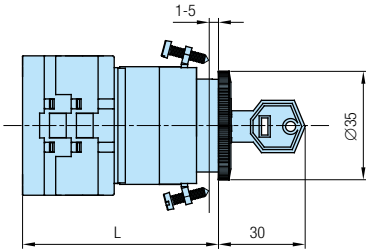


GX16 ..... U 29D  
GX20 ..... U 29D

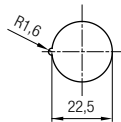
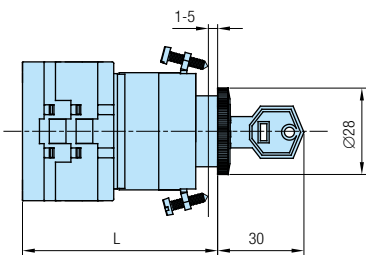


# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

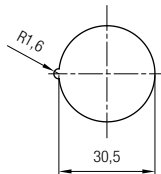
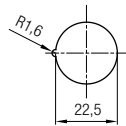
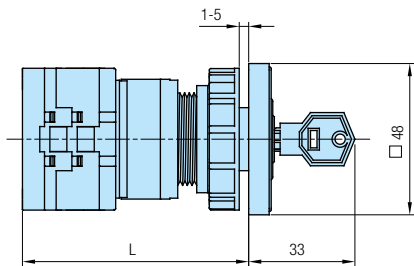
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



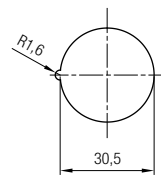
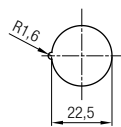
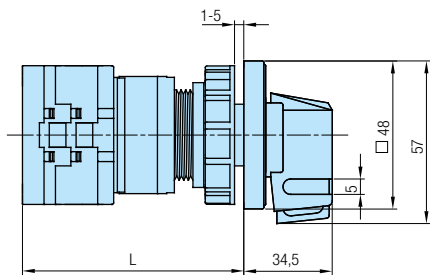
Tip Type	L			
	1	2	3...8	
GX 16	53,9	62,4	70,9	113,4
GX 20	53,9	62,4	70,9	113,4



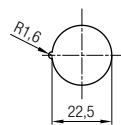
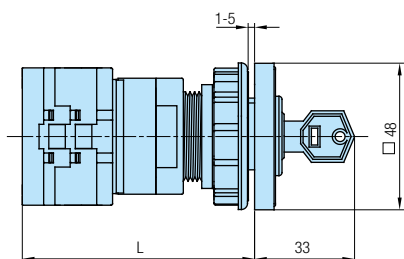
Tip Type	L			
	1	2	3...8	
GX 16	53,9	62,4	70,9	113,4
GX 20	53,9	62,4	70,9	113,4



Tip Type	L			
	1	2	3...8	
GX 16	59,9	68,4	76,9	119,4
GX 20	59,9	68,4	76,9	119,4



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



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*

KOD *CODE*

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



**29K**

Ugradnja u Ø22 mm.  
Utična montaža kontaktnog bloka i prednjeg sklopa.

*Mounting into Ø22 mm.  
Snap-on mounting of contact block with front part.*



GX16 ..... U 29K  
GX20 ..... U 29K



**41D**

Ugradnja u Ø22 mm.  
Utična montaža kontaktnog bloka i prednjeg sklopa.

*Mounting into Ø22 mm.  
Snap-on mounting of contact block with front part.*

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

GX16 ..... U 41D  
GX20 ..... U 41D

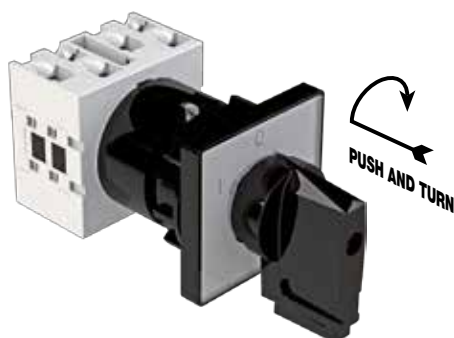


**41K**

Ugradnja u Ø22 mm.  
Utična montaža kontaktnog bloka i prednjeg sklopa.

*Mounting into Ø22 mm.  
Snap-on mounting of contact block with front part.*

GX16 ..... U 41K  
GX20 ..... U 41K



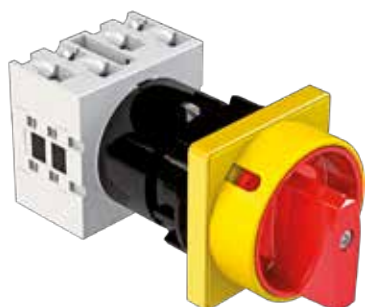
**71  
72**

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

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

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

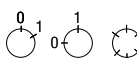
GX16 ..... U 71 / or 72  
GX20 ..... U 71 / or 72



**76  
77**

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

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

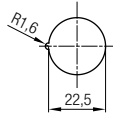
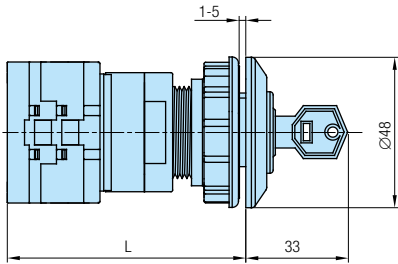


RUČICA HANDLE	ČEONA PLOČA COVER PLATE	PREDNJA PLOČA FRONT PLATE	Y KOD / CODE
crna / black	crna / black	crna / black	
siva / grey	siva / grey	siva / grey	20
crvena / red	žuta / yellow	žuta / yellow	40

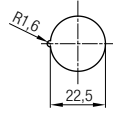
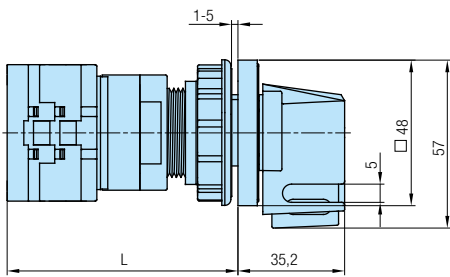
GX16 ..... U 76 / or 77  
GX20 ..... U 76 / or 77

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

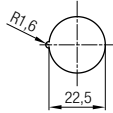
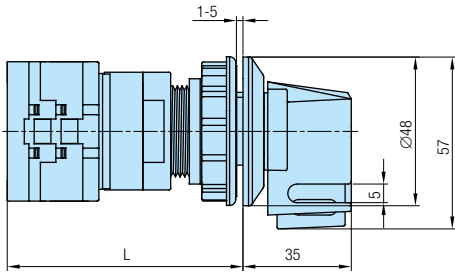
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



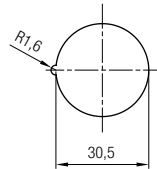
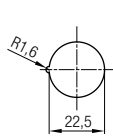
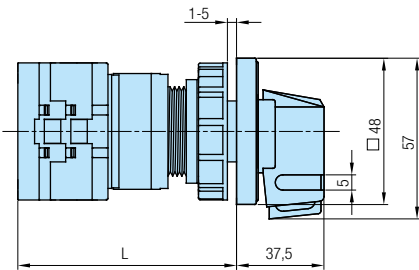
Tip Type	L			
	1	2	3.....8	
GX 16	64,9	73,4	81,9	124,4
GX 20	64,9	73,4	81,9	124,4



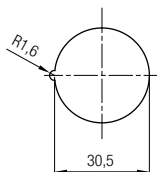
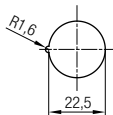
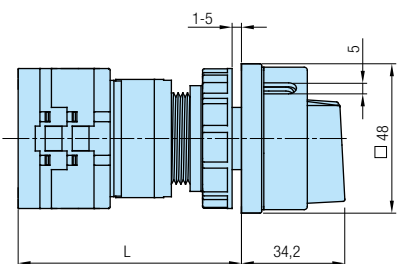
Tip Type	L			
	1	2	3.....12	
GX 16	64,9	73,4	81,9	158,4
GX 20	64,9	73,4	81,9	158,4



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



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



Tip Type	L			
	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*

## KOD *CODE*

### BLOKIRANJE POLOŽAJA-DVORUČNO UPRAVLJANJE *BLOCKADE OF POSITIONS-TWO HANDS OPERATING*



#### 16

Blokiranje položaja - dvoručno upravljanje, protiv nehotećnog uklapanja. Blokada moguća u svim položajima (potrebno definirati narudžbom).

*Blockade of positions - two hands operating, against an accidental switching-on. Blockade is possible in any position (please define).*

GX16H	.....	U	16
GX20H	.....	U	16
GX32	.....	U	16
GX40	.....	U	16



#### 26

Blokiranje položaja - dvoručno upravljanje, protiv nehotećnog uklapanja, te zaključavanje jednim lokotom. Blokada i zaključavanje moguće u svim položajima (potrebno definirati narudžbom).

*Blockade of positions - two hands operating, against an accidental switching-on, locking by one padlock. Blockade and locking is possible in any position (please define).*

GX16H	.....	U	26
GX20H	.....	U	26
GX32	.....	U	26
GX40	.....	U	26



#### 17

Blokiranje položaja + pomoćni kontakti (tipkalo). Moguća izvedba s jednim ili dva para uklopno-isklopnih kontakata. 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.

*Blockade of positions + auxiliary contacts (push button). Possible optional extra with one or two pairs of the open-close contacts. Operating of the contacts is being realized before switch function.*

**Standard:** blockade in position "0", auxiliary contacts 1NO +1NC. It is necessary to define blockade of the positions and number of the auxiliary contacts.

GX16H	.....	U	17
GX20H	.....	U	17
GX32	.....	U	17
GX40	.....	U	17



#### 27

Blokiranje položaja + pomoćni kontakti (tipkalo) + zaključavanje jednim lokotom. Moguća izvedba s jednim ili dva para uklopno-isklopnih kontakata. 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.

*Blockade of positions + auxiliary contacts (push button) + locking by one padlock. Possible optional extra with one or two pairs of the open-close contacts. Operating of the contacts is being realized before switch function.*

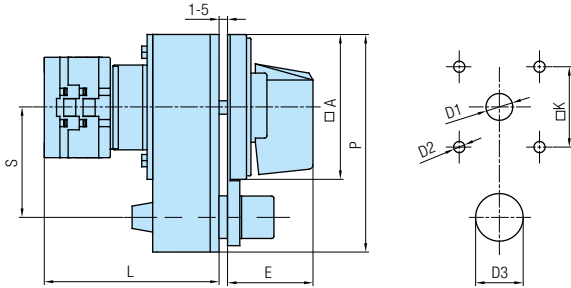
**Standard:** blockade in position "0", auxiliary contacts 1NO +1NC. It is necessary to define blockade of the positions and number of the auxiliary contacts.

GX16H	.....	U	27
GX20H	.....	U	27
GX32	.....	U	27
GX40	.....	U	27

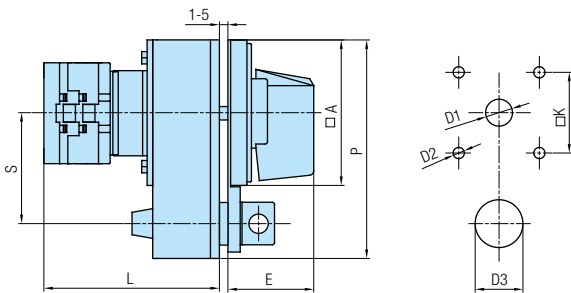


# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

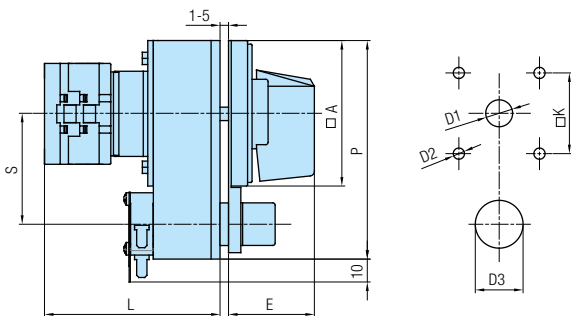
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



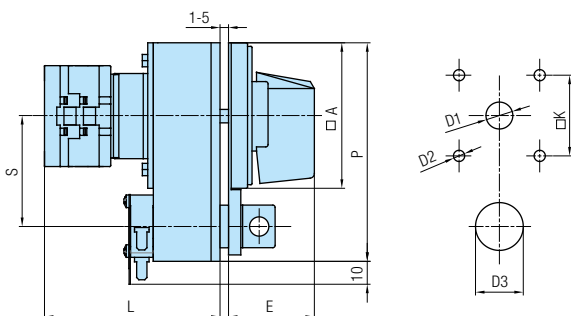
Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3.....12	
GX 16H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 20H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 32	65	14	5	20	36	48	65x98	48	78	90	102	210
GX 40	65	14	5	20	36	48	65x98	48	78	90	102	210



Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3.....12	
GX 16H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 20H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 32	65	14	5	20	36	48	65x98	48	78	90	102	210
GX 40	65	14	5	20	36	48	65x98	48	78	90	102	210



Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3.....12	
GX 16H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 20H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 32	65	14	5	20	36	48	65x98	48	78	90	102	210
GX 40	65	14	5	20	36	48	65x98	48	78	90	102	210



Tip Type	Oznaka / Marking								L			
	□A	D1	D2	D3	E	□K	P	S	1	2	3.....12	
GX 16H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 20H	65	12	5	20	36	48	65x98	48	70,5	79	87,5	164
GX 32	65	14	5	20	36	48	65x98	48	78	90	102	210
GX 40	65	14	5	20	36	48	65x98	48	78	90	102	210

## POSEBNE IZVEDBE *OPTIONAL EXTRAS*

## KOD *CODE*

### 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).*

GX16	.....	O	02
GX16H	.....	O	02
GX20	.....	O	02
GX20H	.....	O	02
GX32	.....	O	02
GX32H	.....	O	02
GX40	.....	O	02
GX40H	.....	O	02

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

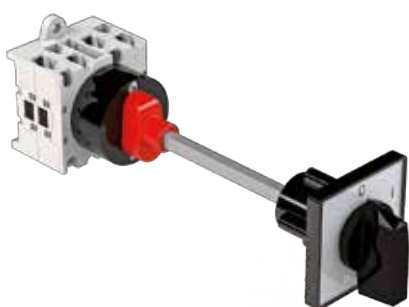


#### 258

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

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

GX16	.....	O	258
GX16H	.....	O	258
GX20	.....	O	258
GX20H	.....	O	258
GX32	.....	O	258
GX40	.....	O	258



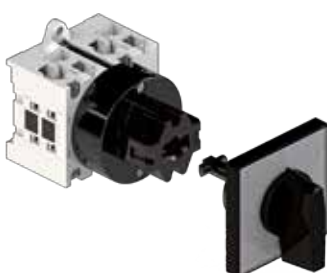
#### 102

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

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

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

GX16	.....	O	102
GX16H	.....	O	102
GX20	.....	O	102
GX20H	.....	O	102
GX32	.....	O	102
GX40	.....	O	102



#### 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.*

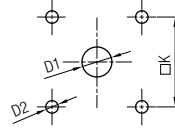
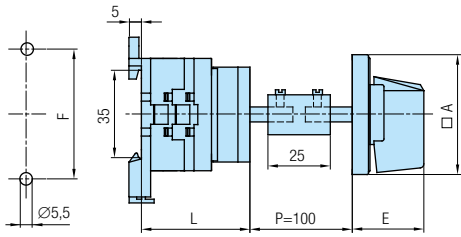
KOD / CODE	IZVEDBA / VERSION
<b>108D</b>	Standardna izvedba s jednim modulom <i>Standard version with one module</i>
<b>108D - 2</b>	Izvedba s dva modula <i>Version with two modules</i>
<b>108D - 3</b>	Izvedba s tri modula <i>Version with three modules</i>
<b>108D - 4</b>	Izvedba s četiri modula <i>Version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

GX16	.....	O	108D
GX16H	.....	O	108D
GX20	.....	O	108D
GX20H	.....	O	108D
GX32	.....	O	108D
GX40	.....	O	108D

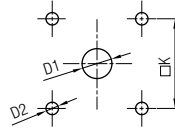
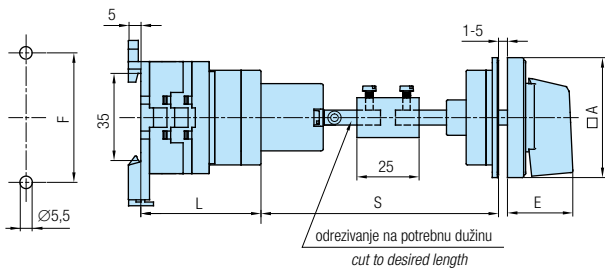
# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

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

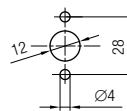
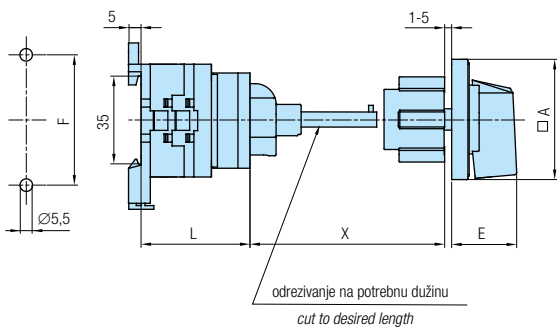
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



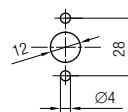
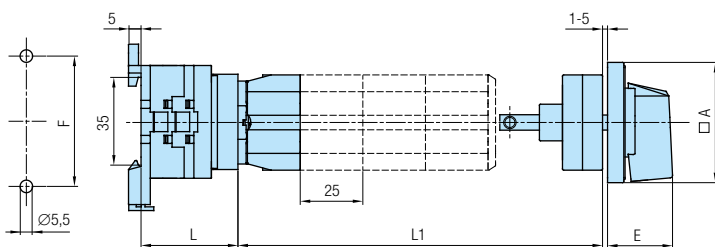
Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	F	K	1	2	3...12	
GX 16	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 16H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 20	48	12	5	26,5	52	36	37	45,5	54	130,5
GX 20H	65	12	5	34,5	52	48	37	45,5	54	130,5
GX 32	65	14	5	34,5	68	48	48	60	72	180
GX 32H	90	14	6	41,5	68	68	48	60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



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



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



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

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

## POSEBNE IZVEDBE *OPTIONAL EXTRAS*

## KOD *CODE*

### INSTALACIONA KAPA *SERVICE COVER*



#### 48 48D

Instalaciona kapa i ručica za standardnu ugradnju u 45 mm. Podešavanje dužine L (izvedba 48). Fiksna dužina L (izvedba 48D).

*Both the service cover (45 mm) and handle are adjustable in height (optional extra 48). Fixed measure L (optional extra 48D).*

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

GX16	.....	O	48
GX20	.....	O	48
GX16	.....	O	48D
GX20	.....	O	48D

#### 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. Both the service cover (45 mm) and key are adjustable in height.*

GX16	.....	O	49
GX20	.....	O	49

### NESTANDARDNA MONTAŽA *NON-STANDARD MOUNTING*



#### 38D 38T

Montaža sa 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.*

GX16	.....	U	38D	38T
GX20	.....	U	38D	38T
GX32	.....	U	38D	-
GX40	.....	U	38D	-

#### 39D 39T

Montaža sa 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.*

GX16	.....	U	39D	39T
GX16H	.....	U	39D	-
GX20	.....	U	39D	39T
GX20H	.....	U	39D	-
GX32	.....	U	39D	-
GX32H	.....	U	39D	-
GX40	.....	U	39D	-

#### 31

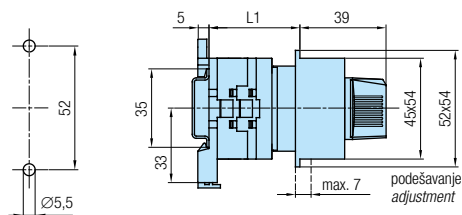
Montaža s četiri umetnute matice M4.

*Mounting by four inserted nuts M4.*

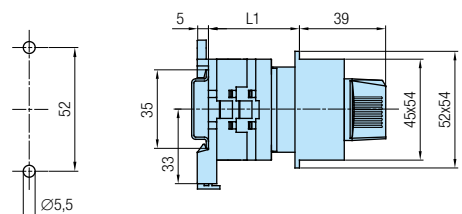
GX16	.....	U	31
GX16H	.....	U	31
GX20	.....	U	31
GX20H	.....	U	31
GX32	.....	U	31
GX32H	.....	U	31
GX40	.....	U	31
GX40H	.....	U	31

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

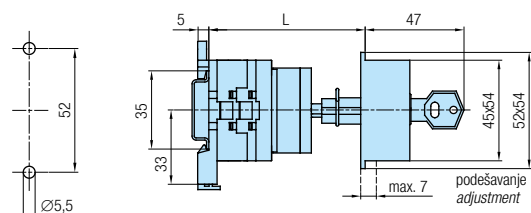
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



Tip Type	L		
	1	2	3
GX 16	39,5-46,5	48-55	56,5-63,5
GX 20	39,5-46,5	48-55	56,5-63,5

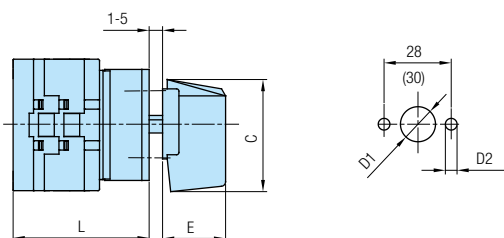


Tip Type	L		
	1	2	3
GX 16	33	41,5	50
GX 20	33	41,5	50

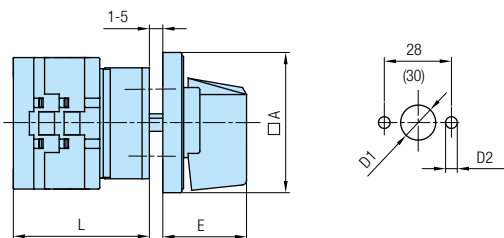


Tip Type	L		
	1	2	3
GX 16	57,5-64,5	66-73	74,5-81,5
GX 20	57,5-64,5	66-73	74,5-81,5

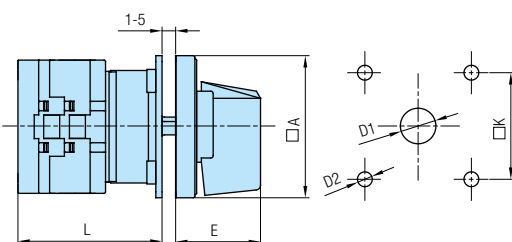
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



Tip Type	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	-	-



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	-	-



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

## POSEBNE IZVEDBE *OPTIONAL EXTRAS*

## KOD *CODE*

### SIGNALNE SVJETILJKE *SIGNAL LAMPS*



#### 15

Standardno se ugrađuje crvena svjetiljka (230V), desno dolje. Mogući naponi 110; 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; 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.*

GX16	.....	U	15
GX16H	.....	U	15
GX20	.....	U	15
GX20H	.....	U	15
GX32	.....	U	15
GX40	.....	U	15

GX16	.....	O	15
GX16H	.....	O	15
GX20	.....	O	15
GX20H	.....	O	15
GX32	.....	O	15
GX40	.....	O	15

### BLOKIRANJE SMJERA OKRETANJA *BLOCKADE OF THE ROTATION DIRECTION*



#### 28

Blokiranje lijevog smjera okretanja.

*The left direction is blocked.*

GX16	.....	U	28
GX16H	.....	U	28
GX20	.....	U	28
GX20H	.....	U	28
GX32	.....	U	28
GX32H	.....	U	28
GX40	.....	U	28
GX40H	.....	U	28

GX16	.....	O	28
GX16H	.....	O	28
GX20	.....	O	28
GX20H	.....	O	28
GX32	.....	O	28
GX32H	.....	O	28
GX40	.....	O	28
GX40H	.....	O	28

### GLAVNA SKLOPKA *MAIN SWITCH*

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



#### 21 22

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

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



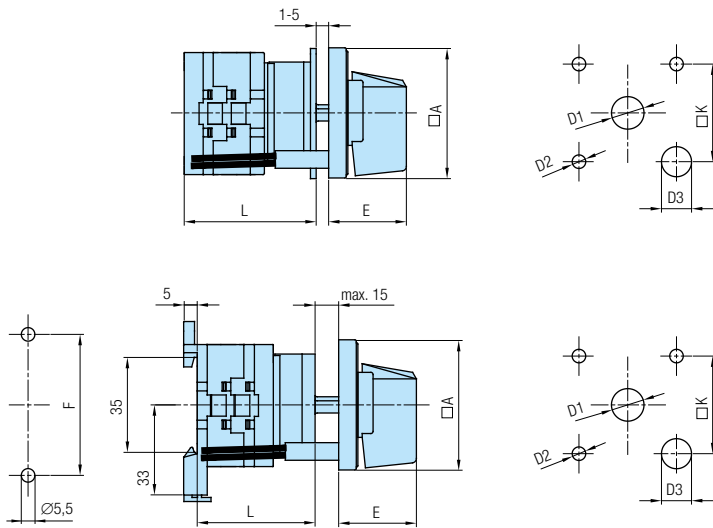
GX16H	.....	U	21	22
GX20H	.....	U	21	22
GX32	.....	U	21	22
GX40	.....	U	21	22

iii / or

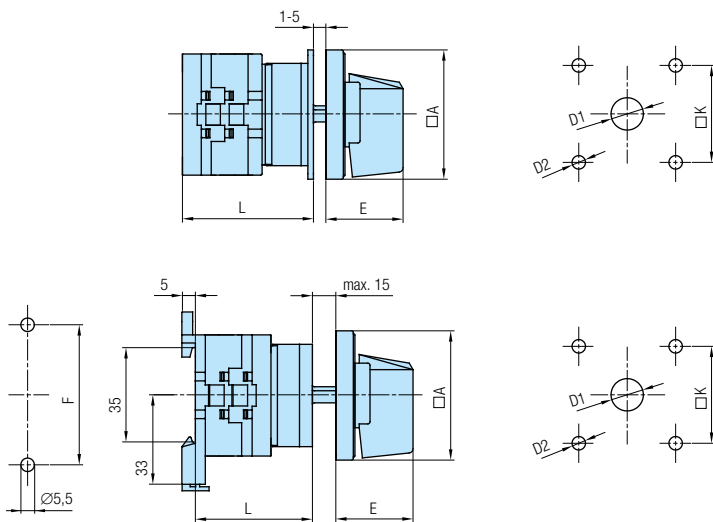
# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

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

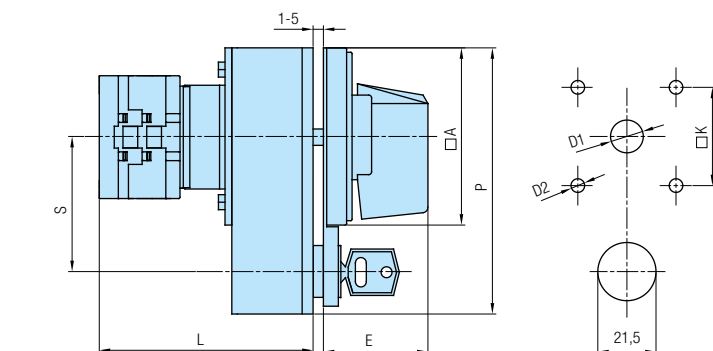
Plan bušenja / *Drilling plan*  
Prednji lim / *Front panel*



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



Tip Type	Oznaka / Marking						L			
	A	D1	D2	E	F	K	1	2	3...12	
GX 16	48	12	5	26,5	52	36	40	48,5	57	133,5
GX 16H	65	12	5	34,5	48	48	40,5	49	57,5	134
GX 20	48	12	5	26,5	52	36	40	48,5	57	133,5
GX 20H	65	12	5	34,5	48	48	40,5	49	57,5	134
GX 32	65	14	5	34,5	68	48	48	60	72	180
GX 32H	90	14	6	41,5	68	68	50	62	74	182
GX 40	65	14	5	34,5	68	48	48	60	72	180
GX 40H	90	14	6	41,5	68	68	50	62	74	182



Tip Type	Oznaka / Marking							
	A	D1	D2	E	K	P	S	L
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

POSEBNE IZVEDBE *OPTIONAL EXTRAS*

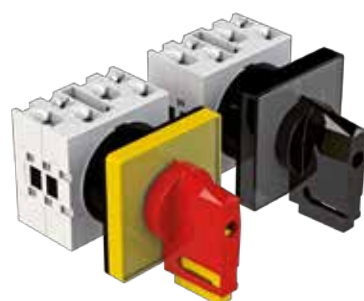
KOD *CODE*

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°.



GX16	.....	U	73	75
GX20	.....	U	73	75

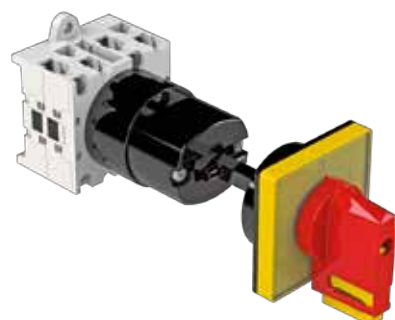
GX16	.....	O	73	75
GX20	.....	O	73	75

SPOJKA ZA VRATA

DOOR COUPLING

GLAVNA SKLOPKA UJEDNO I SKLOPKA ZA NUŽNO ISKLAPANJE

MAIN SWITCH WITH EMERGENCY



**86**

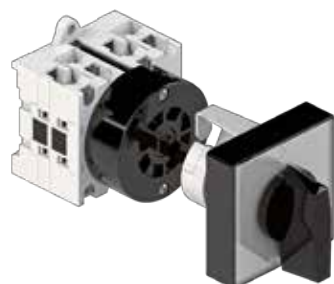
Zaključavanje (1-3 lokota) samo u "0".  
Otvaranje vrata samo u "0" položaju.  
Zaštita od slučajnog dodira dovodnih priključnih stezaljki pod naponom samo u "0" položaju. Kut zakreta 60° i 90°.  
Ukoliko je traženi "S" veći od ponuđenog potrebno je definirati "S" ili dubinu ormara (L+S). Minimalna udaljenost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

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

GX16	.....	O	86	
GX20	.....	O	86	

SPOJKA ZA VRATA

DOOR COUPLING

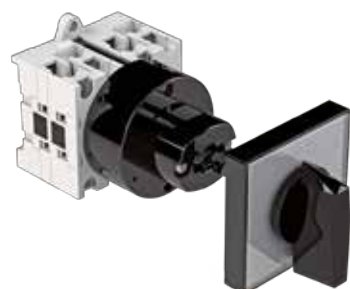


**07**  
**08**

Otvaranje vrata u bilo kojem položaju (izvedba 07) ili samo u "0" (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 (07) or only in "0" (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.

GX16H	.....	O	07	08
GX16H	.....	O	07	08
GX32	.....	O	07	08
GX32H	.....	O	07	08
GX40	.....	O	07	08
GX40H	.....	O	07	08



**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 extra 57, 58).  
Mounting with 2 screws (optional extra 58D).  
Minimal distance to the door-hinge 150 mm.

GX16	.....	O	57	58
GX16H	.....	O	57	58
GX20	.....	O	57	58
GX20H	.....	O	57	58
GX32	.....	O	57	58
GX40	.....	O	57	58

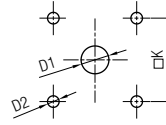
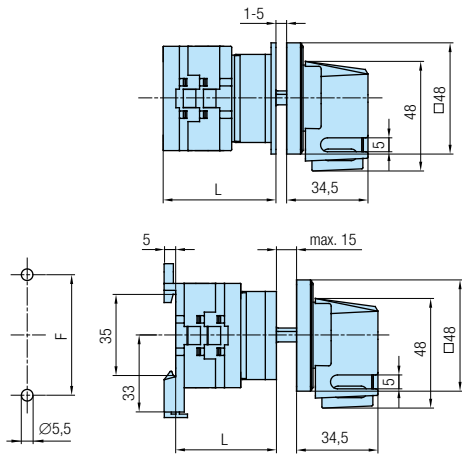
GX16	.....	O	58D	
GX16H	.....	O	58D	
GX20	.....	O	58D	
GX20H	.....	O	58D	
GX32	.....	O	58D	
GX40	.....	O	58D	



# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

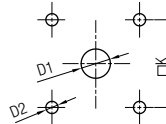
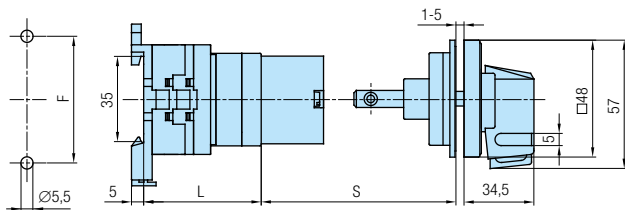
Plan bušenja / *Drilling plan*  
Stražnji lim / *Rear panel*

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

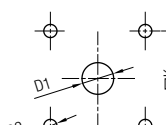
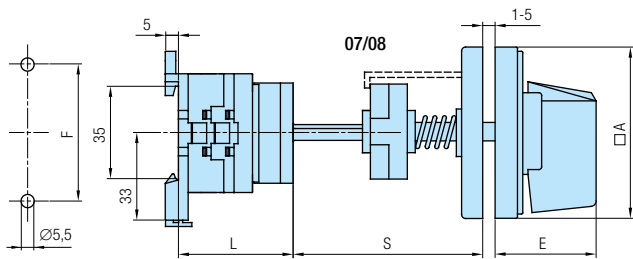


Tip Type	Oznaka / Marking			L			
	D1	D2	□K	1	2	3...12	
GX 16	12	5	36	40	48,5	57	133,5
GX 20	12	5	36	40	48,5	57	133,5

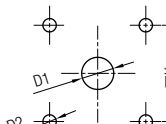
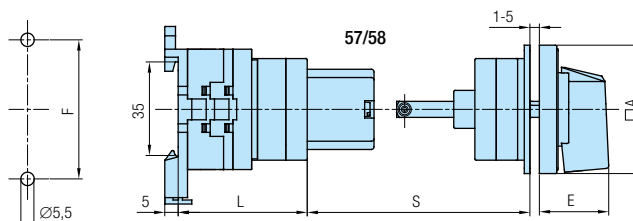
Tip Type	Oznaka / Marking				L			
	D1	D2	F	□K	1	2	3...12	
GX 16	12	5	52	36	37	45,5	54	130,5
GX 20	12	5	52	36	37	45,5	54	130,5



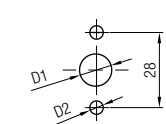
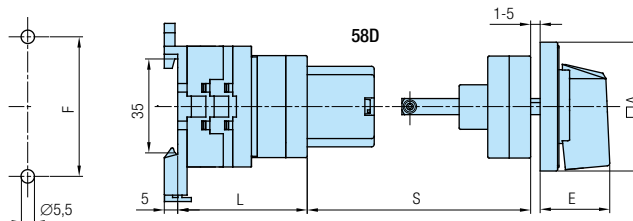
Tip Type	Oznaka / Marking					L			
	D1	D2	F	□K	S	1	2	3...12	
GX 16	12	5	52	36	45-55	40	48,5	57	133,5
GX 20	12	5	52	36	45-55	40	48,5	57	133,5



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	51	63	75	183
GX 32H	90	14	6	41,5	68	68	64	51	63	75	183
GX 40	65	14	5	34,5	68	48	64	51	63	75	183
GX 40H	90	14	6	41,5	68	68	64	51	63	75	183



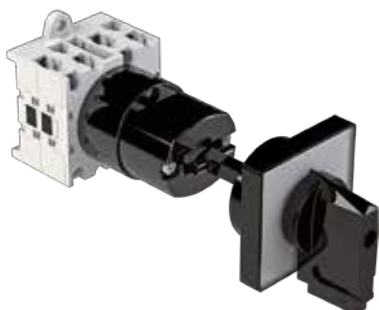
Tip Type	Oznaka / Marking							L			
	□A	D1	D2	E	F	□K	S	1	2	3...12	
GX 16	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 16H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 20	48	12	5	26,5	52	36	45-55	40	48,5	57	133,5
GX 20H	65	12	5	34,5	52	48	45-55	40	48,5	57	133,5
GX 32	65	14	5	34,5	68	48	45-55	51	63	75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



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

SPOJKA ZA VRATA  
*DOOR COUPLING*



**85**

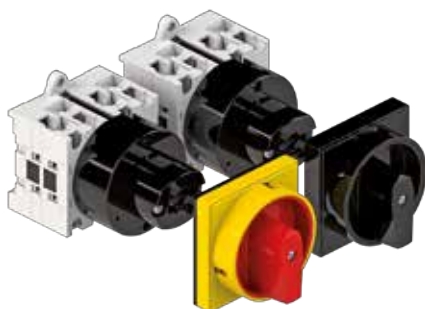
Zaključavanje (1-3 lokota) samo u "0".  
Otvaranje vrata samo u "0" položaju.  
Ukoliko je traženi "S" veći od ponuđenog potrebno je definirati "S" ili dubinu ormara (L+S).  
Minimalna udaljenost od šarke 150 mm.

*Padlocking (1-3) only in "0".  
Door-opening only in "0" position.  
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.*

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

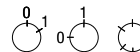
GX16 ..... O 85  
GX20 ..... O 85

**87**  
**88**



Zaključavanje 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.  
Glavna sklopka ujedno i sklopka za nužno isklapanje (izv. 88).

*Padlocking only in "0".  
Door-opening only in "0" position.  
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.  
Main switch with emergency (optional extra 88).*



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

iii / or  
GX16 ..... O 87 88  
GX16H ..... O 87 88  
GX20 ..... O 87 88  
GX20H ..... O 87 88  
GX32 ..... O 87 88  
GX40 ..... O 87 88

**84**



Otvaranje vrata samo u "0" položaju.  
Sklopka sa žutom prednjom pločom, žutom podlogom i crvenom ručicom (1pol. - shema 90; 2pol. - shema 91; 3pol. - shema 10; 4pol. - shema 92). Ukoliko je traženi "S" veći od ponuđenog potrebno je definirati "S" ili dubinu ormara (L+S).  
Minimalna udaljenost od šarke 150 mm.

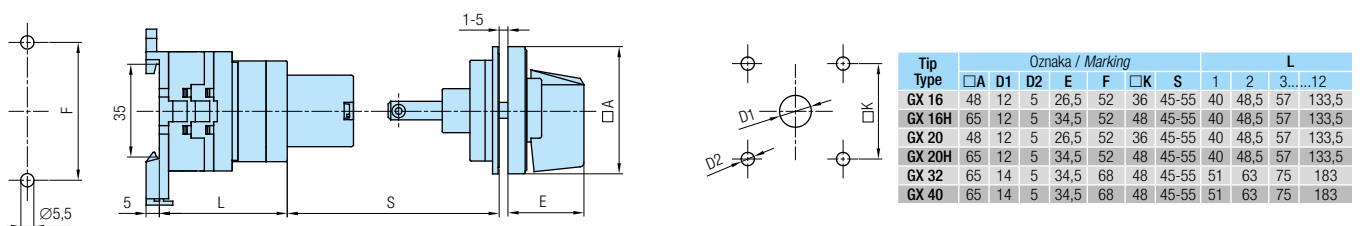
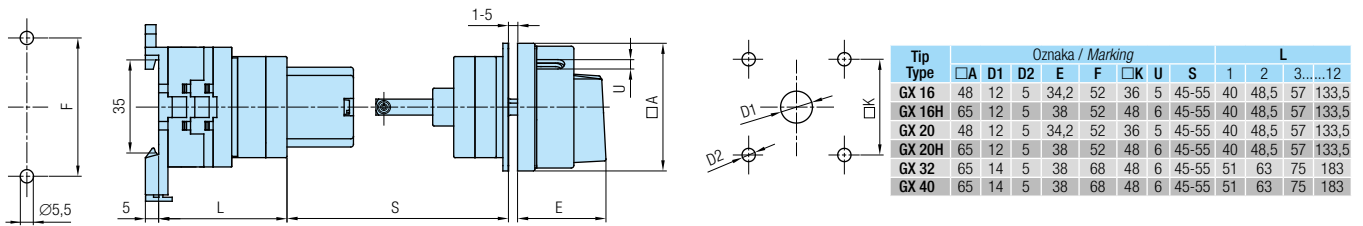
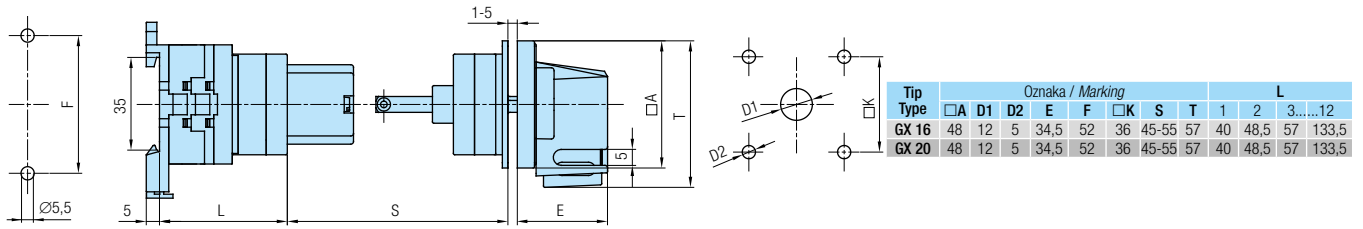
*Door-opening only in "0" position.  
Switch with yellow front plate, yellow escutcheon plate and red handle (1-pole: scheme 90; 2-pole: scheme 91; 3-pole: scheme 10; 4-pole: scheme 92). When required "S" is bigger then offered, it is necessary to define "S" or depth of the board (L+S).  
Minimal distance to the door-hinge 150 mm.*

GX16 ..... O 84  
GX16H ..... O 84  
GX20 ..... O 84  
GX20H ..... O 84  
GX32 ..... O 84  
GX40 ..... O 84

# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

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

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



POSEBNE IZVEDBE *OPTIONAL EXTRAS*

KOD *CODE*

PLASTIČNO KUĆIŠTE  
*PLASTIC CASING*



**28**

Blokiranje lijevog smjera okretanja.

*The left direction is blocked.*

GX16	.....	P	28
GX20	.....	P	28
GX32	.....	P	28
GX40	.....	P	28



**24**

Standardna sklopka sa žutom podlogom i crvenom ručicom (1pol. - shema 90; 2pol. - shema 91; 3pol. - shema 10; 4pol. - shema 92).

*Standard switch with yellow escutcheon plate and red handle (1-pole: scheme 90; 2-pole: scheme 91; 3-pole: scheme 10; 4-pole: scheme 92).*

GX16	.....	P	24
GX20	.....	P	24
GX32	.....	P	24
GX40	.....	P	24



**15**

Standardno ugrađena crvena svjetiljka (230 V), desno dolje. Mogući naponi 110, 400 V, te 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, 400 V and green lamp, too (please define). On special request second lamp can be built in the left bottom corner.*

GX16	.....	P	15
GX20	.....	P	15
GX32	.....	P	15
GX40	.....	P	15



**06** Zaključavanje samo u "0"  
(Vidi str. 10 i 12)

**23** Locking only in "0"  
**25** (See pages 10 and 12)

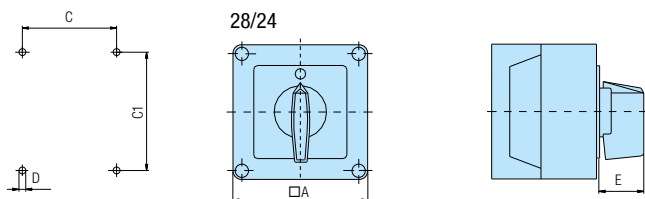
	MOGUĆNOSTI POSSIBILITY	RUČICA HANDLE	ČEONA PLOČA COVER PLATE	KUĆIŠTE CASING
06		siva / grey	siva / grey	sivo / grey
23		crna / black	crna / black	sivo / grey
25		crvena / red	žuta / yellow	sivo / grey

GX16	.....	P	06	23	25
GX20	.....	P	06	23	25
GX32	.....	P	06	23	25
GX40	.....	P	06	23	25

ili / or

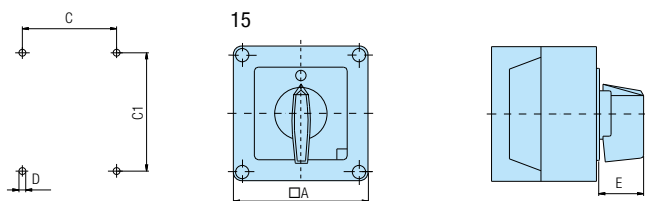
# MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)

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



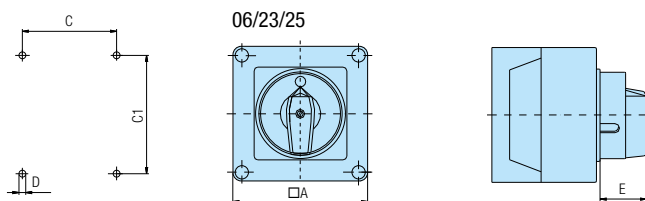
**28/24/15**

Tip Type	Tip kućišta Casing size	Broj elemenata Number of elements		□A	C	C1	D	E
		L	L1					
GX 16 GX 20	90x90	1-2	3-5	90	63	79	4,5	25
GX 16 GX 20 GX 32 GX 40	110x110	1-3 1-2	4-7 3-4	110	83	98,4	4,5	32





**06/23/25**

Tip Type	Tip kućišta Casing size	Broj elemenata Number of elements		□A	C	C1	D	E
		L	L1					
GX 16 GX 20	90x90	1-2	3-5	90	63	79	4,5	28
GX 16 GX 20 GX 32 GX 40	110x110	1-3 1-2	4-7 3-4	110	83	98,4	4,5	38,5



## REZERVNI DIJELOVI *ACCESSORIES*

### RUČICE *HANDLES*

		NARUŽBENI KOD / <i>ORDERING CODE</i>				
		Veličina / <i>Size</i>				
	Boja / <i>Colour</i>	A0	A1		A2	
	siva / <i>grey</i>	R011-6	R111-6	R111-7	R211-6	R211-7
	crvena / <i>red</i>	R012-6	R112-6	R112-7	R212-6	R212-7
	crna / <i>black</i>	R014-6	R114-6	R114-7	R214-6	R214-7
	žuta / <i>yellow</i>	R015-6	R115-6	R115-7	R215-6	R215-7
	siva / <i>grey</i>		R121-6	R121-7	R221-6	R221-7
	crvena / <i>red</i>		R122-6	R122-7	R222-6	R222-7
	crna / <i>black</i>		R124-6	R124-7	R224-6	R224-7
	žuta / <i>yellow</i>		R125-6	R125-7	R225-6	R225-7

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).  
Izrađuje se standardno u crnoj boji, a prema narudžbi u sivoj i žutoj.  
Standardne podloge prednjih ploča vidi na stranicama 38-40.

*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.  
Standard escutcheon plates of front plates see on pages 38-40.*



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 38-40.

*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 38-40.*

### PRODUŽENA OSOVINA *EXTENDED SHAFT*



Spojka za vrata s mogućnošću podešavanja dužine osovine, 70 mm max.

*Adjustable door - coupling extension shaft, 70 mm length max.*

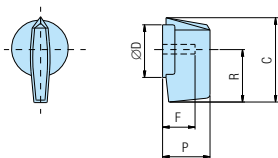
### MODUL ZA SPECIJALNU IZVEDBU "108D" *MODUL FOR OPTIONAL EXTRA "108D"*



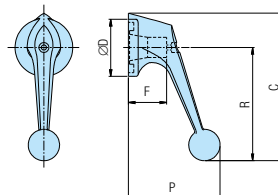
### OSOVINA ZA SPECIJALNU IZVEDBU "102" *SHAFT FOR OPTIONAL EXTRA "102"*



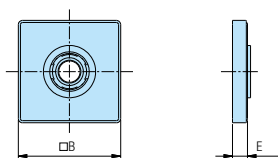
## MJERNE SKICE *DIMENSIONAL DRAWINGS* (mm)



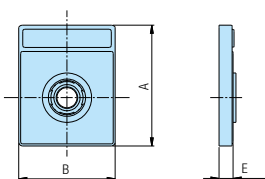
Veličina Size	ØD	F	C	P	R
A0	27,5	16	39,5	19	23,5
A1	35	20	53	25	32
A2	48	26,5	70,5	32	43,5



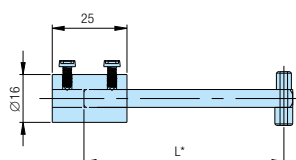
Veličina Size	ØD	F	C	P	R
A1	35	23	81,5	52	61,5
A2	48	26,5	105,5	65	79,5



Veličina Size	Oznaka / Marking	
	□B	E
A0	48	7,5
A1	65	9,5
A2	90	9,5



Veličina Size	Oznaka / Marking		
	A	B	E
A0	60	48	7,5
A1	80,5	65	9,5
A2	110	90	9,5



L	Narudžbeni kod Ordering code
70	B85992
150	B85893
200	B85894

\* Dužinu skratiti po potrebi


\* Possible to cut desired length

Modul 108D	Narudžbeni kod Ordering code
	B71717

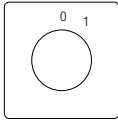
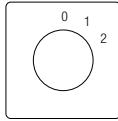
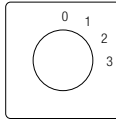
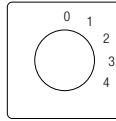
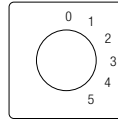
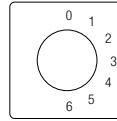
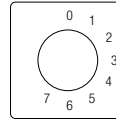
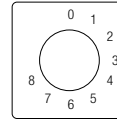
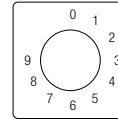
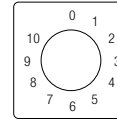
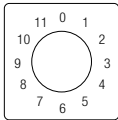
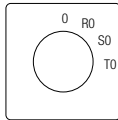
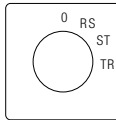
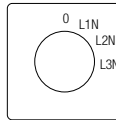
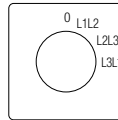
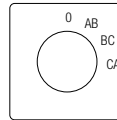
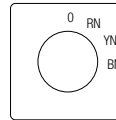
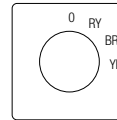
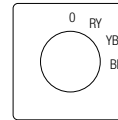
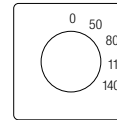
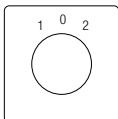
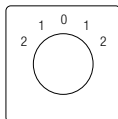
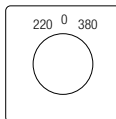
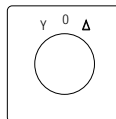
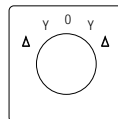
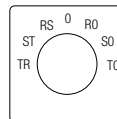
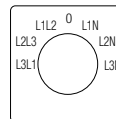
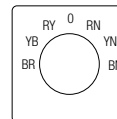
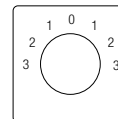
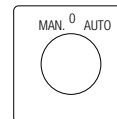
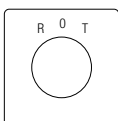
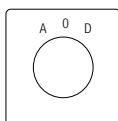
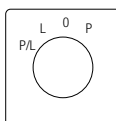
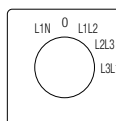
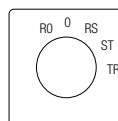
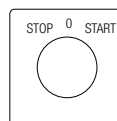
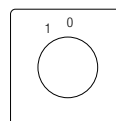
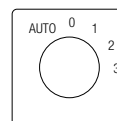
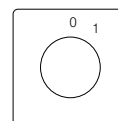
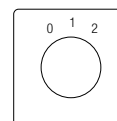
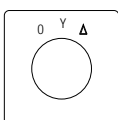
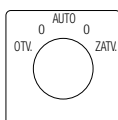
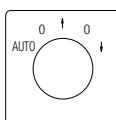
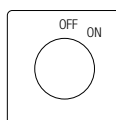
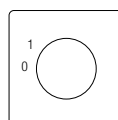
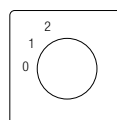
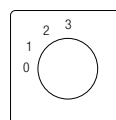
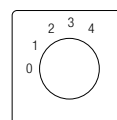
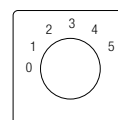
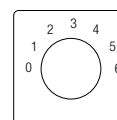
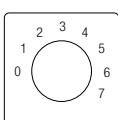
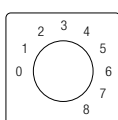
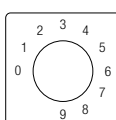
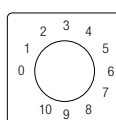
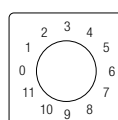
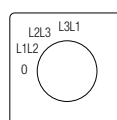
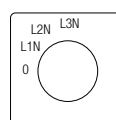
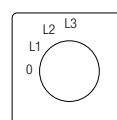
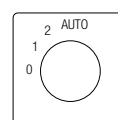
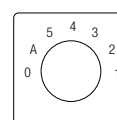
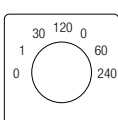
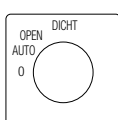
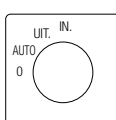
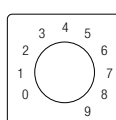
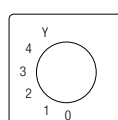
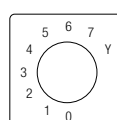
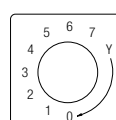
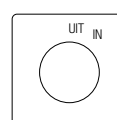
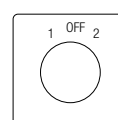
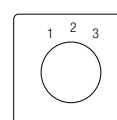
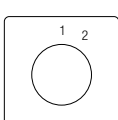
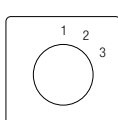
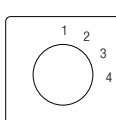
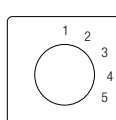
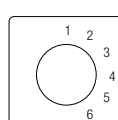
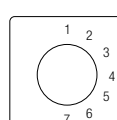
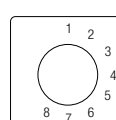
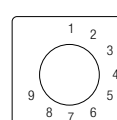
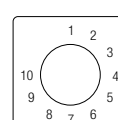
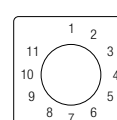
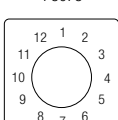
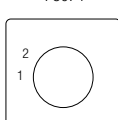
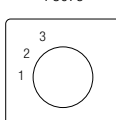
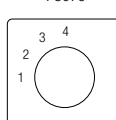
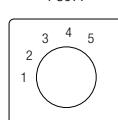
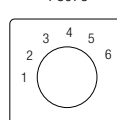
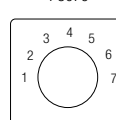
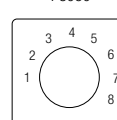
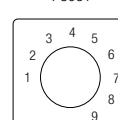
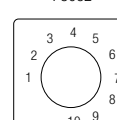
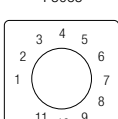
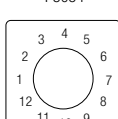
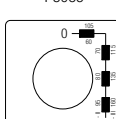
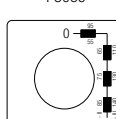
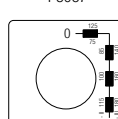
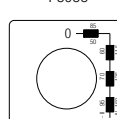
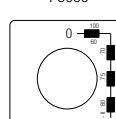
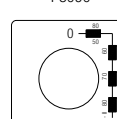
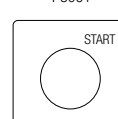
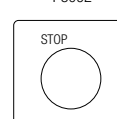
L	Izvedba Option	Narudžbeni kod Ordering code
100	102	B71840
200	102-200	B71841

# 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									

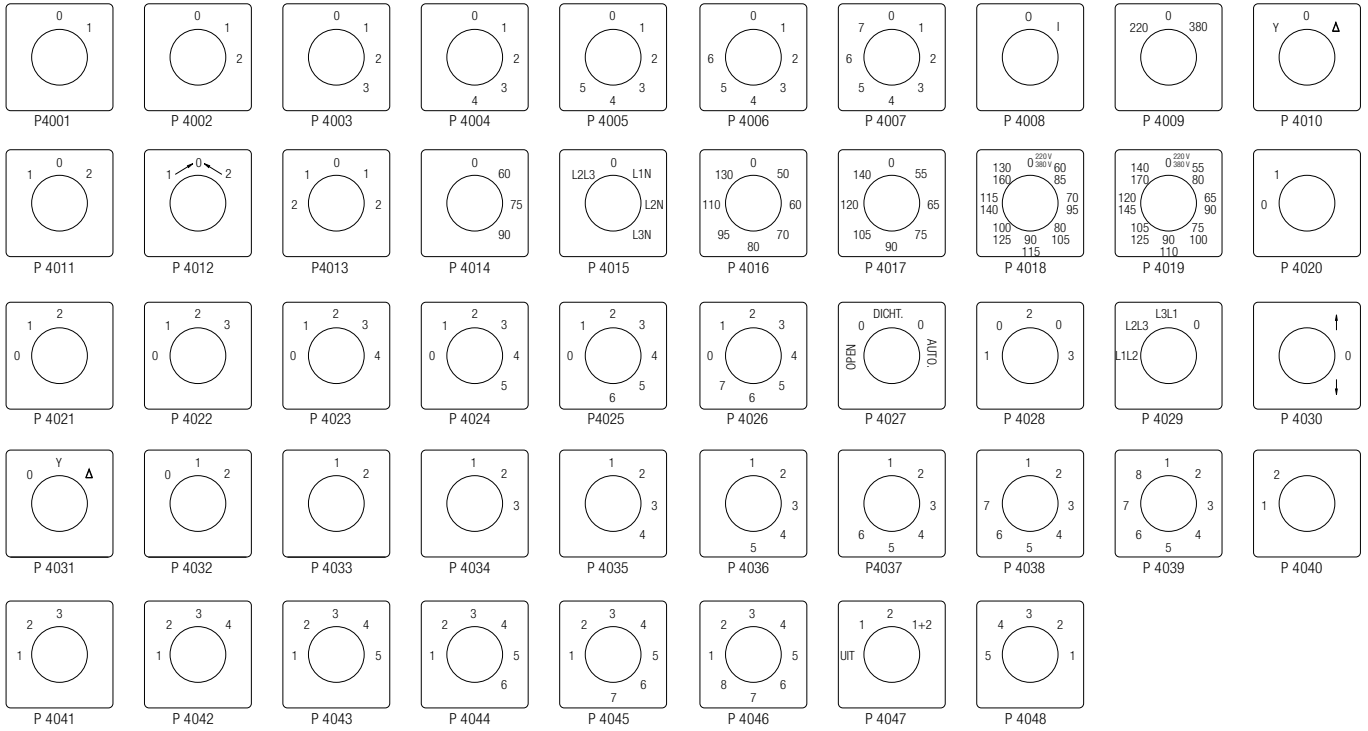
## 30° KUT ZAKRETA *SWITCHING*

 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

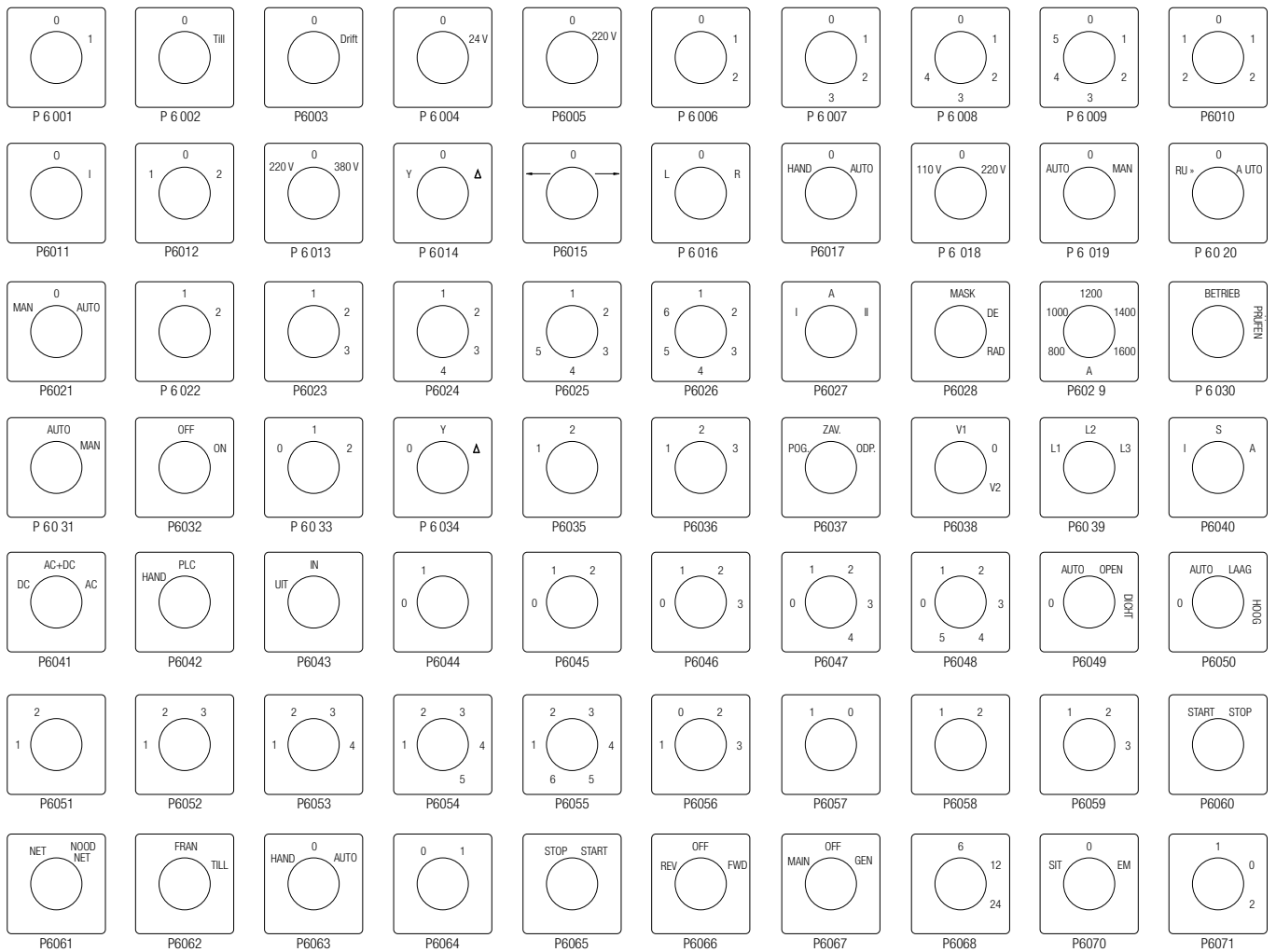


# PODLOGE *ESCUTCHEON PLATES*

## 45° KUT ZAKRETA *SWITCHING*



## 60° KUT ZAKRETA *SWITCHING*



## PODLOGE *ESCUTCHEON PLATES*

### 90° KUT ZAKRETA *SWITCHING*


### RAZLIČITI KUTEVI ZAKRETA *MISCELLANEOUS SWITCHING*








## PREGLED POSEBNIH IZVEDBI PO STRANICAMA *OPTIONAL EXTRAS - REVIEW*

POSEBNA IZVEDBA <i>OPTIONAL EXTRA</i>	Stranica <i>Page</i>	Prednja ploča s natpisom <i>Front plate with title (N)</i>	Mogućnost kombinacije posebnih izvedbi <i>Possible optional extra combinations</i>				
			+39D		+51		
			A0	A1	A0	A1	A2
02	24	+			+	+	+
05	14	+					
06	12	+	+	+	+	+	+
06D	12						
07	30	+			+	+	+
08	30	+			+	+	+
09	14						
10	18						
11	14						
12	18						
13	14	+					
15	28	+	+	+			
16	22	+					
17	22	+					
20	16						
21	28	+					
22	28	+					
23	10	+	+	+	+	+	
24	10	+	+	+	+	+	+
25	10	+	+	+	+	+	
26	22	+					
27	22	+					
28	28	+	+	+	+	+	+
29	18						
29D	18						
29K	20						
30	18						
31	26						
36	16						
37	16						
38D	26						

POSEBNA IZVEDBA <i>OPTIONAL EXTRA</i>	Stranica <i>Page</i>	Prednja ploča s natpisom <i>Front plate with title (N)</i>	Mogućnost kombinacije posebnih izvedbi <i>Possible optional extra combinations</i>				
			+39D		+51		
			A0	A1	A0	A1	A2
38T	26						
39D	26					+	+
39T	26						
41	18						
41D	20						
41K	20						
42	18	+		+		+	
47	16						
48	26						
48D	26						
49	26						
51	10	+		+	+		
56	12	+		+		+	
57	30	+		+	+	+	+
58	30	+				+	+
58D	30	+				+	+
67	16						
71	20						
72	20						
73	30	+		+		+	
75	30	+		+		+	
76	20						
77	20						
84	32	+		+	+	+	+
85	32	+		+		+	
86	30	+		+		+	
87	32	+		+	+	+	+
88	32	+		+	+	+	+
102	24	+				+	+
108D	24	+				+	+
258	24	+		+	+	+	+

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*

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

Naručilj / *Purchaser*

Telefon / *Phone*

Telefax

Datum / *Date*

Tip sklopke / *Switch type:*

4G  
GN  
GF  
GX  
    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:*  
 \_\_\_\_\_  
 \_\_\_\_\_

Prednji sklop / *Front part:*

	Ručica / <i>Handle</i>	Prednja ploča / <i>Front plate</i>	Podloga / <i>Escutch. plate</i>
Crna / <i>Black</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Siva / <i>Grey</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crvena / <i>Red</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Žuta / <i>Yellow</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bijela / <i>White</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Posebna izvedba / <i>Optional extra:</i>	<input type="checkbox"/> <input type="checkbox"/>		

Oblik / *Form:*

Ručica / *Handle*

<input checked="" type="checkbox"/>		A00, A0 A1, A2, A3
<input type="checkbox"/>		A1, A2, A3
<input type="checkbox"/>		A3

Oblik ugradnje / *Mounting form:*

U - Ugradna / *Front*  
 O - Odvojena / *Rear*  
 P - Plastično kućište / *Plastic casing*  
 L - Limeno kućište / *Metal casing*

Dodatni zahtjevi / *Additional requirements:*

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Prednja ploča / *Front plate*

<input checked="" type="checkbox"/>		Standardna / <i>Standard</i> A00, A0, A1, A2, A3
<input type="checkbox"/>		Sa natpisom / <i>With title</i> A00, A0, A1, A2

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

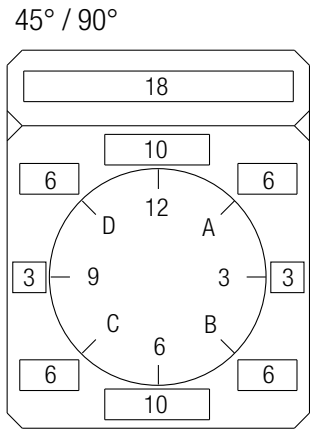
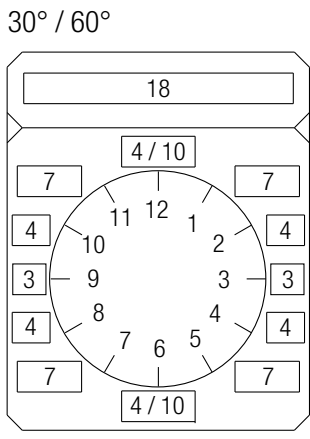
REMARK:  - Standard combination of colours and forms. Please mark the desired request (  or  ).

Narudžbeni broj / *Order No.*

UPIŠATI ŽELJENI OZNAKU POLOŽAJA PLEASE WRITE THE DESIRED SWITCH POS. MARKS		<table border="1"> <tr><td>1</td><td>4</td><td>5</td><td>8</td><td>9</td><td>12</td><td>13</td><td>16</td><td>17</td><td>20</td><td>21</td><td>24</td><td>25</td><td>28</td><td>29</td><td>32</td><td>33</td><td>36</td><td>37</td><td>40</td><td>41</td><td>44</td><td>45</td><td>48</td></tr> <tr><td>2</td><td>3</td><td>6</td><td>7</td><td>10</td><td>11</td><td>14</td><td>15</td><td>18</td><td>19</td><td>22</td><td>23</td><td>26</td><td>27</td><td>30</td><td>31</td><td>34</td><td>35</td><td>38</td><td>39</td><td>42</td><td>43</td><td>46</td><td>47</td></tr> </table>	1	4	5	8	9	12	13	16	17	20	21	24	25	28	29	32	33	36	37	40	41	44	45	48	2	3	6	7	10	11	14	15	18	19	22	23	26	27	30	31	34	35	38	39	42	43	46	47
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Preklapanje kontakata / <i>Overlapping of contacts</i>	Kontakt zatvoren preko 2 ili više položaja / <i>Contact closed across 2 or more positions</i>	Prolazni kontakt / <i>Passing contact</i>	Kontakt zatvoren / <i>Contact closed</i>	Samostalni povratni hod (30°) / <i>Self return (30°)</i>
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Max. broj znakova  
*Max. number of characters*



# ■ ROTARY CAM SWITCHES GX



[www.LovatoKoncar.hr](http://www.LovatoKoncar.hr)

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