

SWITCHING DIAGRAMS FOR ROTARY CAM SWITCHES GN, GF, 4G, GX



 **Lovato**
electric

ENERGY AND AUTOMATION

Veličina Size	Ugradbene dimenzije Mounting dimensions (mm)	Ručica Handle	Tip / Type				Termička struja Thermal current (A)	AC3 3X380/400V (kW)	AC23 3X380/400V (kW)						
			GN	GF	4G	GX									
A00				GF10			10	2,2	3						
				GF20R			20	5	7,5						
A0			GN12		4G10		10	2,2	3						
					GX16		16	4	6						
				GF20			16	4,5	6,5						
							20	5	7,5						
			GN20		GX20		20	5,5	7,5						
			GN25				25	7,5	11						
A1			GN12H				16	4	6						
					GX16H		16	4,5	6,5						
				4G16			20	8	8						
			GN20H		GX20H		20	5,5	7,5						
				GF20H			20	5	7,5						
					4G25		25	13	13						
			GN25H				25	7,5	11						
			GN32		GX32		32	11	15						
			GN40		GX40		40	15	18,5						
			GN63				63	18,5	30						
A2			GN32H		GX32H		32	11	15						
			GN40H		GX40H		40	15	18,5						
					4G40		50	21	21						
			GN63H				63	18,5	30						
					4G63		63	32	32						
					4G80		80	37	37						
	<table border="1"> <tr> <td></td> <td>□A</td> </tr> <tr> <td>4G</td> <td>72</td> </tr> <tr> <td>GN</td> <td>68</td> </tr> </table>		□A	4G	72	GN	68		GN125				125	37	45
	□A														
4G	72														
GN	68														
A3			GN125H				125	37	45						
					4G100		125	47	47						
					4G200		200	47	47						
					4G400		400	47	47						
					4G630		630	47	47						
					4G800		800	47	47						
					4G1200		1200	47	47						

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

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

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

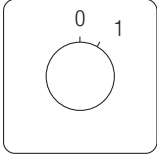
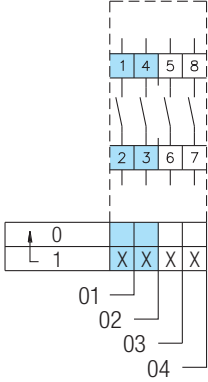
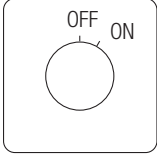
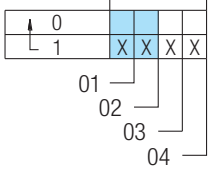
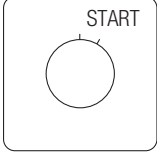
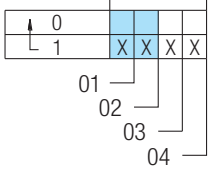
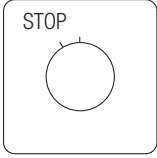
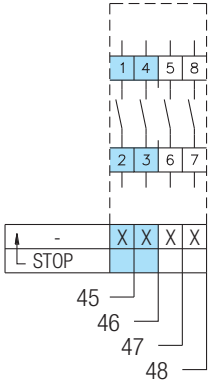
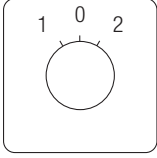
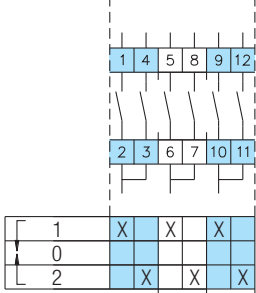
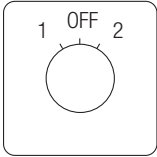
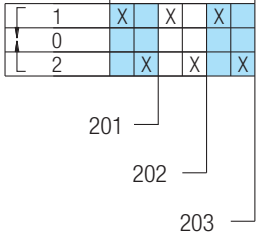
SKLOPKE S KUTOM ZAKRETA 90° SWITCHES WITH 90° SWITCHING

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem.* <i>No of elem.*</i>	Dijagram <i>Diagram</i>
1 polna <i>1 pole</i>	<p>P9037</p>	05	1	
2 polna <i>2 pole</i>		06	1	
3 polna <i>3 pole</i>		07	2	
4 polna <i>4 pole</i>		08	2	
1 polna <i>1 pole</i>	<p>P9067</p>	C05	1	
2 polna <i>2 pole</i>		C06	1	
3 polna <i>3 pole</i>		C07	2	
4 polna <i>4 pole</i>		C08	2	
3 polna (rotacija 360°) <i>3 pole (360° rotation)</i>	<p>P9009</p>	09	2	
3 polna (rotacija 360°) <i>3 pole (360° rotation)</i>	<p>P9066</p>	C09	2	
3 polna strujna preklopka <i>3 pole current change over switch</i>	<p>P9049</p>	57	3	
4 polna 1 pol prethodi <i>4 pole 1 pole preclose</i>	<p>P9037</p>	275	2	
5 polna 2 pola prethode <i>5 pole 2 pole preclose</i>		277	3	
1 polna raniji uklop <i>1 pole early make</i>		270	1	
2 polna raniji uklop <i>2 pole early make</i>		271	1	
3 polna raniji uklop <i>3 pole early make</i>		63	2	
4 polna 3 pola prethode <i>4 pole 3 pole preclose</i>		276	2	
5 polna 3 pola prethode <i>5 pole 3 pole preclose</i>		278	3	

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

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

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

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

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

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

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

1 polna <i>1 pole</i>	<p>P6023</p>	82	2		
2 polna <i>2 pole</i>		86	3		
3 polna <i>3 pole</i>		93	5		
4 polna <i>4 pole</i>		141	6		
5 polna <i>5 pole</i>		149	8		
6 polna <i>6 pole</i>		154	9		
7 polna <i>7 pole</i>		159	11		
8 polna <i>8 pole</i>		162	12		
					GF10 - max. 8 elem.

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

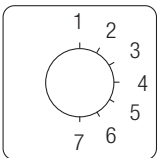
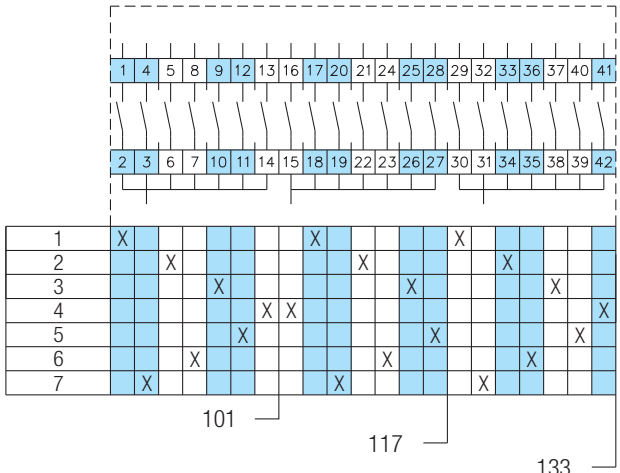
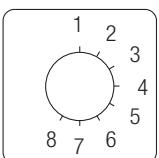
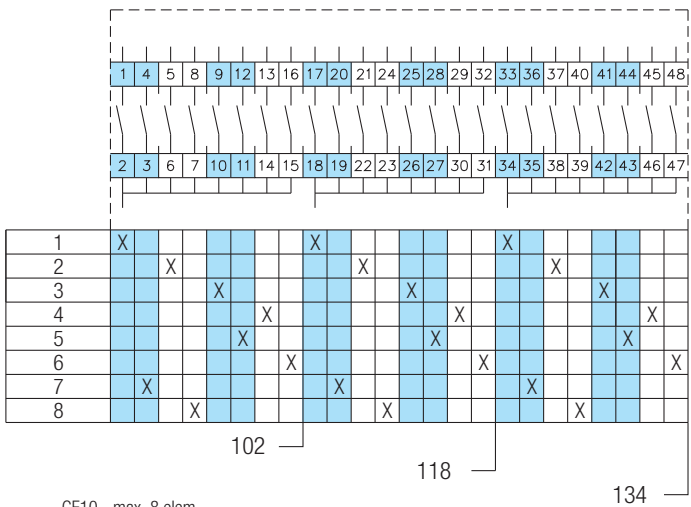
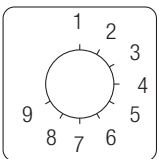
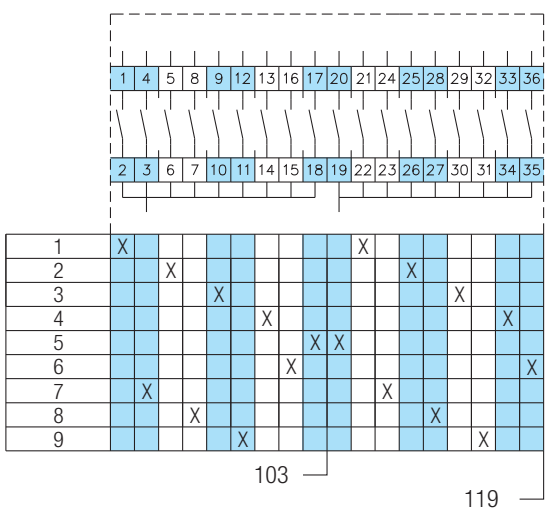
* number of elements for switches 4G400-4G1200 - see pages 42-43

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

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

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43
 * number of elements for switches 4G400-4G1200 - see pages 42-43

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

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

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

Funkcija
Function

Podloga
Escutcheon plate

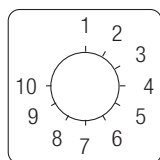
Kod
Code

Br. elem.*
*No of elem.**

Dijagram
Diagram

1 polna
1 pole
2 polna
2 pole

10 položaja
10 positions



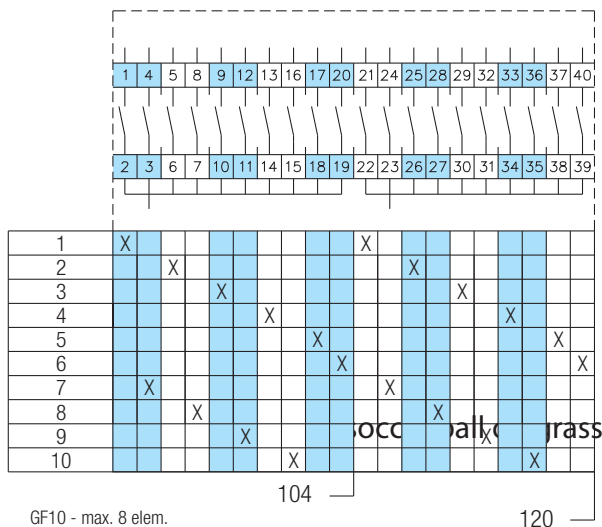
P3081

104

5

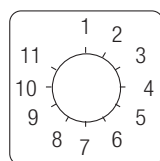
120

10



1 polna
1 pole
2 polna
2 pole

11 položaja
11 positions



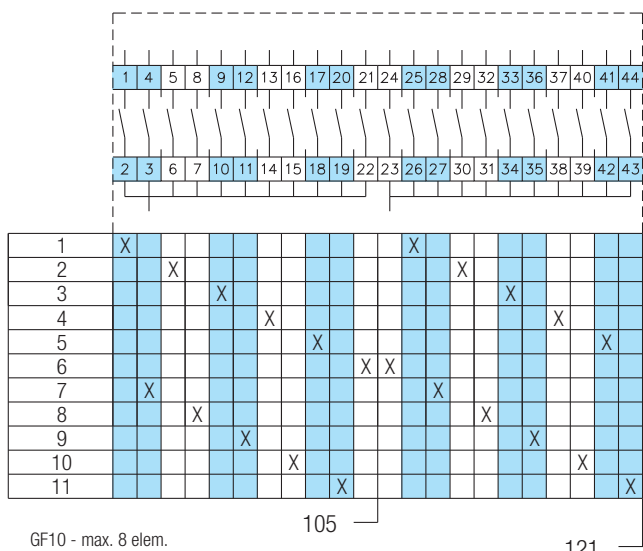
P3082

105

6

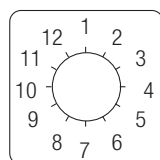
121

11



1 polna
1 pole
2 polna
2 pole

12 položaja
12 positions



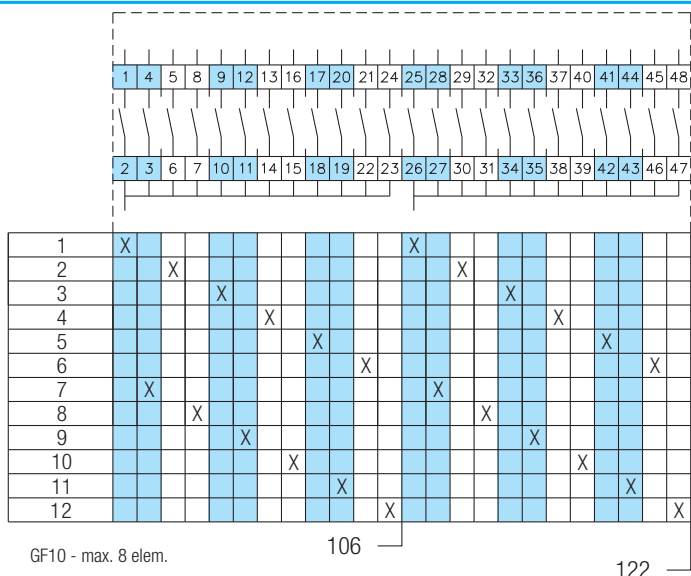
P3083

106

6

122

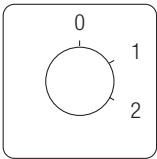
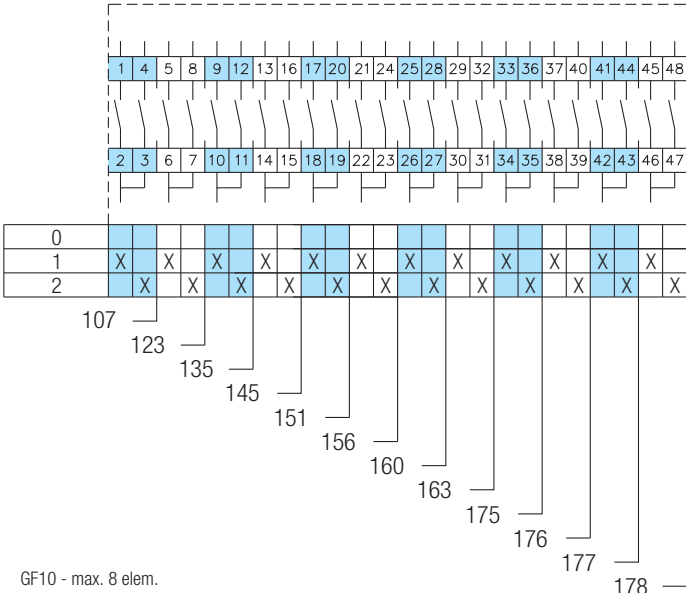
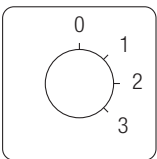
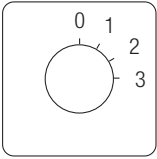
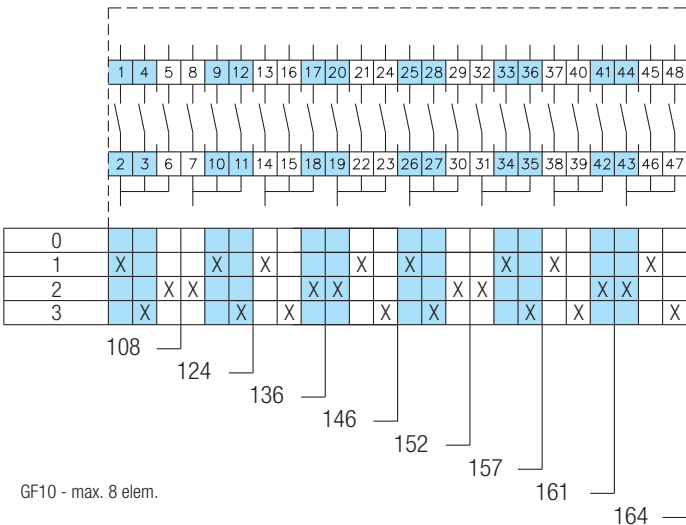
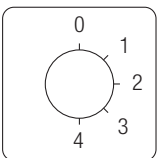
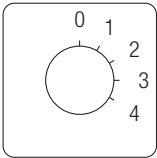
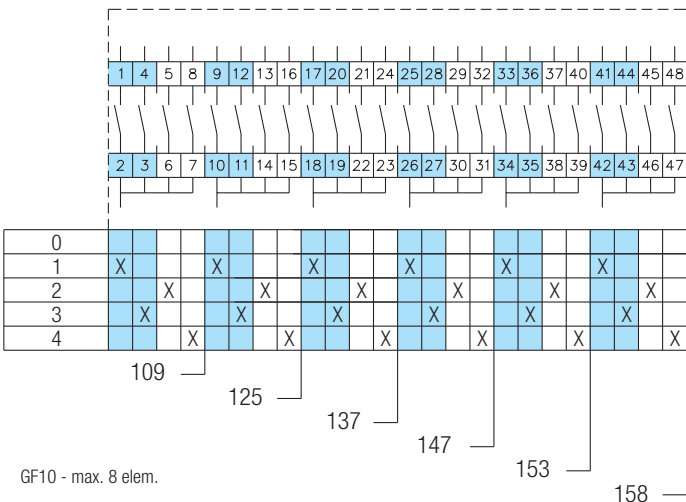
12



* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

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

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem.* <i>No of elem.*</i>	Dijagram <i>Diagram</i>	
1 polna <i>1 pole</i> 2 polna <i>2 pole</i> 3 polna <i>3 pole</i> 4 polna <i>4 pole</i>	za / for GN125 P4005	110 126 138 148	3 5 8 10	<p>GF10 - max. 8 elem.</p>	
	za / for GF, GX, 4G GN12 - GN63 P3005				
	1 polna <i>1 pole</i> 6 polna <i>6 positions</i>	za / for GN125 P4006	111 127 139	4 7 11	<p>za / for 4G40 - 4G1200, GF10 GF10 - max. 8 elem.</p>
	1 polna <i>1 pole</i> 2 polna <i>2 pole</i> 3 polna <i>3 pole</i> 4 polna <i>4 pole</i>	za / for GF, GX, 4G GN12 - GN63 P3006	111 127 139 179	3 6 9 12	<p>za / for GX, GN, 4G10 - 4G25, GF20</p>

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43
 * number of elements for switches 4G400-4G1200 - see pages 42-43

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

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem.* <i>No of elem.*</i>	Dijagram <i>Diagram</i>
1 polna 1 pole	za / for GN125 P4007	112	4	
	za / for GF, GX, 4G GN12 - GN63 P3007			
2 polna 2 pole	za / for GN125 P4007	128	8	
				za / for 4G40 - 4G1200, GF10 GF10 - max. 8 elem.
3 polna 3 pole	za / for GF, GX, 4G GN12 - GN63 P3007	140	11	
				za / for GX, GN, 4G10 - 4G25, GF20

* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

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

Funkcija
Function

Podloga
Escutcheon plate

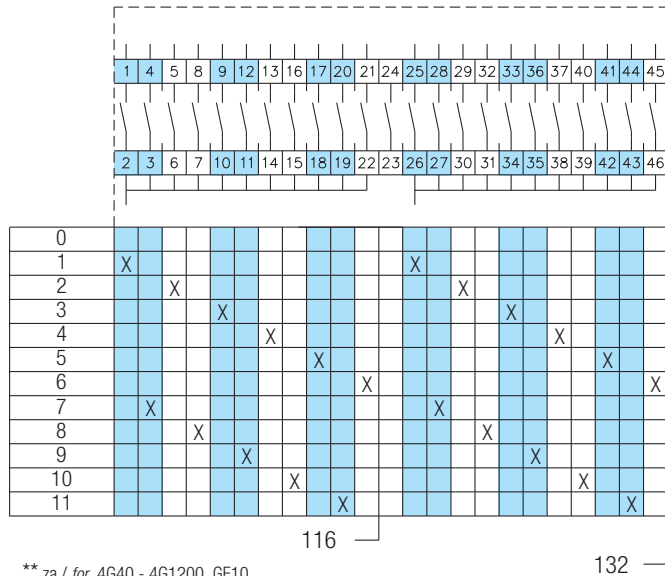
Kod
Code

Br. elem.*
*No of elem.**

Dijagram
Diagram

116
132**

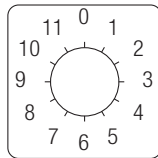
6
12



** za / for 4G40 - 4G1200, GF10
GF10 - max. 8 elem.

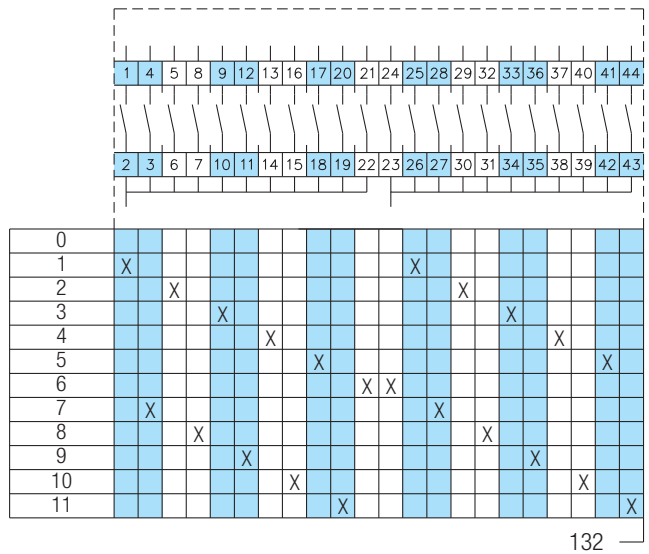
1 polna
1 pole
2 polna
2 pole

11 položaja
11 positions



P3011

132
11



za / for GX, GN, 4G10 - 4G25, GF20

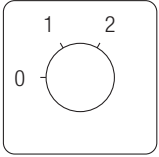
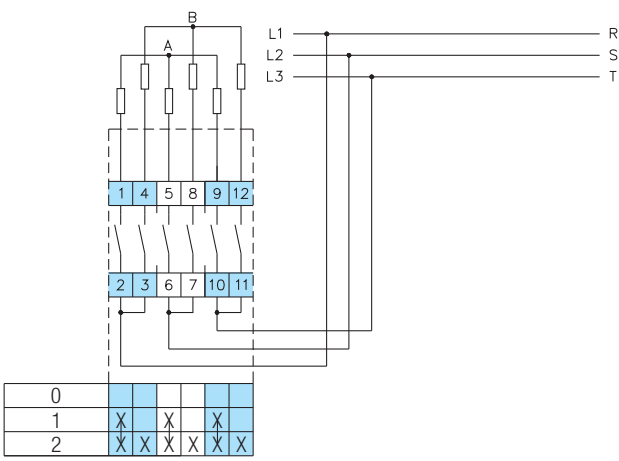
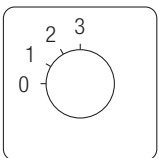
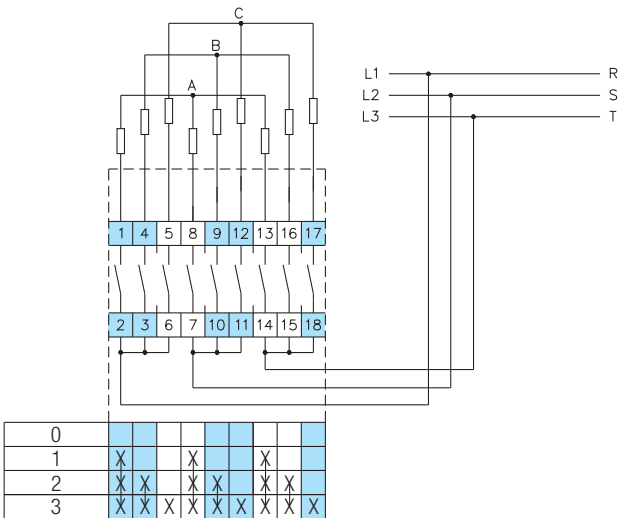
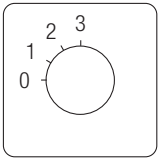
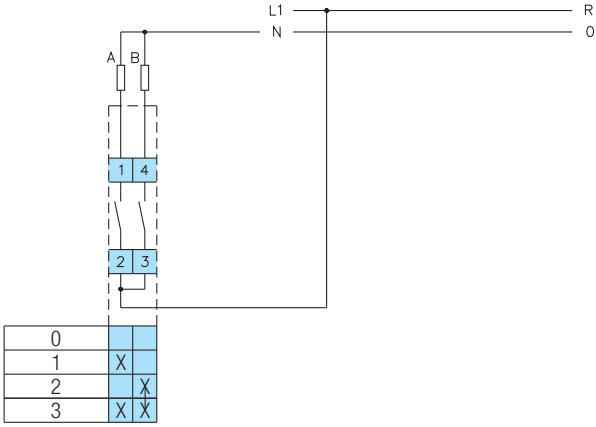
* broj elemenata sklopki 4G400-4G1200 - vidi strane 42-43

* number of elements for switches 4G400-4G1200 - see pages 42-43

GRUPNE SKLOPKE *GANG SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																				
<p>2 GRUPE Sklopni slijed: 0, A, A+B 2 GANG Switching sequence: 0, A, A+B</p>	<p>P6045</p>	251	1	<table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td></tr> <tr><td>2</td><td>X</td><td>X</td></tr> </table>	0			1	X		2	X	X											
0																								
1	X																							
2	X	X																						
<p>1 polna 1 pole</p>				<table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td><td></td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td></tr> <tr><td>3</td><td>X</td><td>X</td><td>X</td></tr> </table>	0				1	X			2	X	X		3	X	X	X				
0																								
1	X																							
2	X	X																						
3	X	X	X																					
<p>3 GRUPE Sklopni slijed: 0, A, A+B, A+B+C 3 GANG Switching sequence: 0, A, A+B, A+B+C</p>	<p>P3048</p>	254	2																					
<p>2 polna 2 pole</p>				<table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td><td>X</td></tr> <tr><td>2</td><td>X</td><td>X</td><td>X</td></tr> </table>	0				1	X		X	2	X	X	X								
0																								
1	X		X																					
2	X	X	X																					
<p>2 GRUPE Sklopni slijed: 0, A, A+B 2 GANG Switching sequence: 0, A, A+B</p>	<p>P6045</p>	252	2																					
<p>2 polna 2 pole</p>				<table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>3</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> </table>	0					1	X			X	2	X	X		X	3	X	X	X	X
0																								
1	X			X																				
2	X	X		X																				
3	X	X	X	X																				
<p>3 GRUPE Sklopni slijed: 0, A, A+B, A+B+C 3 GANG Switching sequence: 0, A, A+B, A+B+C</p>	<p>P3048</p>	255	3																					

GRUPNE SKLOPKE *GANG SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																																																																								
<p>2 GRUPE Sklopni slijed: 0, A, A+B 2 GANG <i>Switching sequence:</i> 0, A, A+B</p> <p>3 polna 3 pole</p>	 <p>P6045</p>	253	3	 <table border="1" data-bbox="750 784 1005 862"> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr> <tr><td>2</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> </table>	0												1	X		X		X		X		X		X	2	X	X	X	X	X	X	X	X	X	X	X																																				
0																																																																												
1	X		X		X		X		X		X																																																																	
2	X	X	X	X	X	X	X	X	X	X	X																																																																	
<p>3 GRUPE Sklopni slijed: 0, A, A+B, A+B+C 3 GANG <i>Switching sequence:</i> 0, A, A+B, A+B+C</p> <p>3 polna 3 pole</p>	 <p>P3048</p>	256	5	 <table border="1" data-bbox="750 1366 1077 1467"> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td><td></td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td><td>X</td><td>X</td></tr> <tr><td>3</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> </table>	0																		1	X			X			X		X		X		X		X		X	2	X	X		X	X		X	X		X	X		X	X		X	X	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0																																																																												
1	X			X			X		X		X		X		X		X																																																											
2	X	X		X	X		X	X		X	X		X	X		X	X																																																											
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X																																																											
<p>2 GRUPE Sklopni slijed: 0, A, B, A+B 2 GANG <i>Switching sequence:</i> 0, A, B, A+B</p> <p>1 polna 1 pole</p>	 <p>P3048</p>	257	1	 <table border="1" data-bbox="750 1892 909 2004"> <tr><td>0</td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td></td></tr> <tr><td>2</td><td></td><td>X</td></tr> <tr><td>3</td><td>X</td><td>X</td></tr> </table>	0			1	X		2		X	3	X	X																																																												
0																																																																												
1	X																																																																											
2		X																																																																										
3	X	X																																																																										

GRUPNE SKLOPKE *GANG SWITCHES*

Funkcija
Function

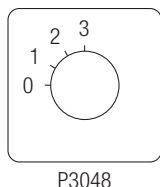
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

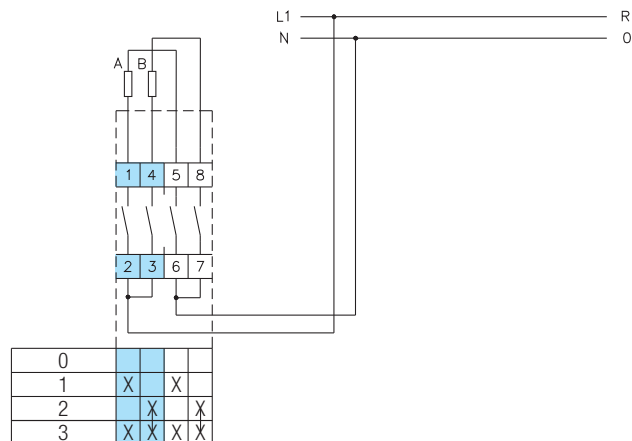
Dijagram
Diagram

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

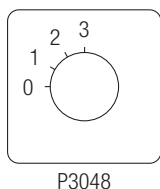


258

2

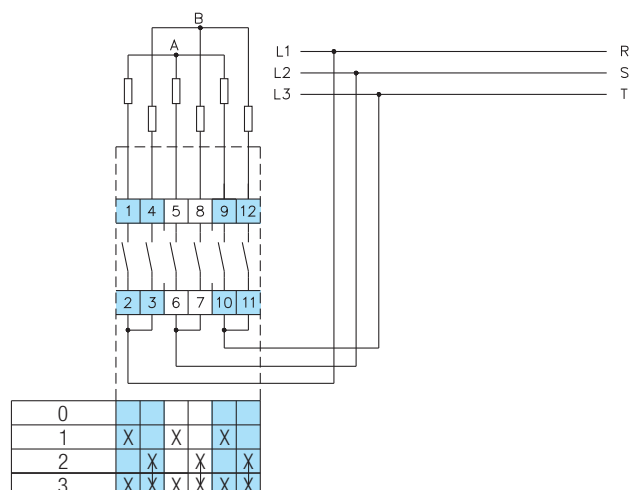


3 polna
3 pole
2 GRUPE
Sklopni slijed:
0, A, B, A+B
2 GANG
Switching sequence:
0, A, B, A+B

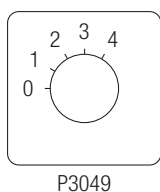


259

3

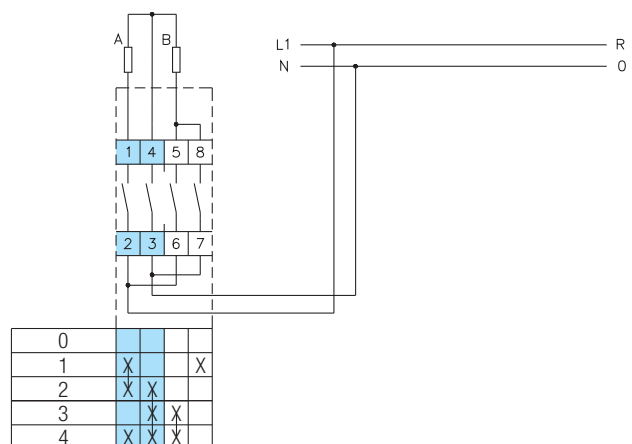


2 polna
2 pole
2 GRUPE
Sklopni slijed:
0, A+B serijski, A, B,
A+B paralelno
2 GANG
Switching sequence:
0, A+B series, A, B,
A+B parallel



260

2



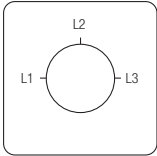
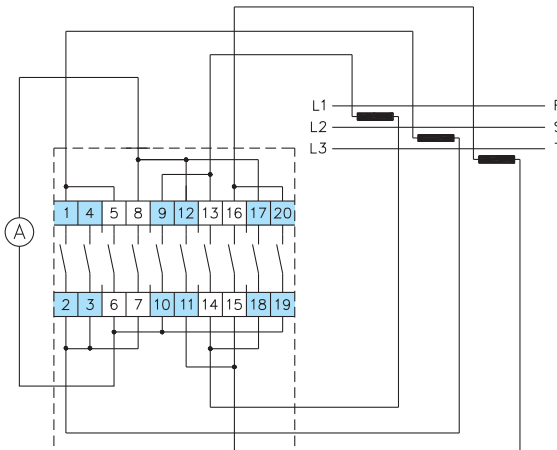
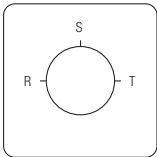
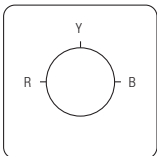
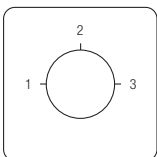
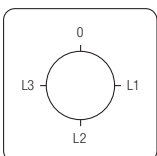
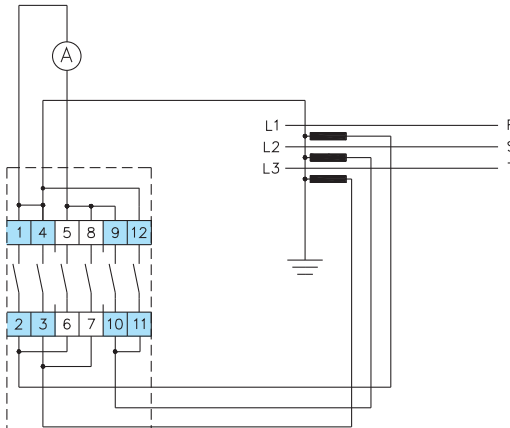
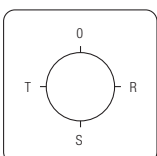
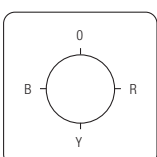
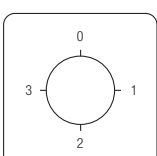
VOLTMETARSKE SKLOPKE *VOLTMETER SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>
	<p>za / for GX, GN 4G10-4G25, GF20</p> <p>za / for 4G40-4G200, GF10</p>	60	3	
	<p>P4051</p> <p>P3035</p>			
3 linjska napona i 1 fazni napon <i>3 line voltage and 1 phase voltage</i>	<p>P4052</p> <p>P3036</p>			
	<p>P4053</p> <p>P3031</p>	D 60	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>	<p>P4057</p> <p>P3026</p>	C 66	3	
	<p>P4058</p> <p>P3028</p>	D 66	3	
	<p>P4054</p> <p>P3027</p>	66	3	
3 linjska napona i 3 fazna napona <i>3 line voltage and 3 phase voltage</i>				

VOLTMETARSKE SKLOPKE *VOLTMETER SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																				
3 linijska napona <i>3 line voltage</i>	za / for GX, GN 4G10-4G25, GF20 P4055 P3015	67	2	<table border="1"> <tr><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>L1L2</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>L2L3</td><td></td><td></td><td>X</td><td>X</td></tr> <tr><td>L3L1</td><td></td><td>X</td><td>X</td><td></td></tr> </table>	0					L1L2	X			X	L2L3			X	X	L3L1		X	X	
	0																							
	L1L2	X				X																		
	L2L3				X	X																		
	L3L1		X		X																			
	P4059 P3013	C 67	2																					
P4060 P3019	D 67			2																				
P4056 P3014		68	2																					
P4061 P3012	C 68			2																				
P4062 P3017		D 68	2																					
3 fazna napona <i>3 phase voltage</i>	za / for GX, GN 4G10-4G25, GF20 P4056 P3014			68	2	<table border="1"> <tr><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>L1N</td><td></td><td>X</td><td></td><td>X</td></tr> <tr><td>L2N</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>L3N</td><td></td><td>X</td><td>X</td><td></td></tr> </table>	0					L1N		X		X	L2N	X			X	L3N		X
0																								
L1N		X		X																				
L2N	X			X																				
L3N		X	X																					
P4061 P3012	C 68	2																						
P4062 P3017			D 68	2																				

AMPERMETARSKE SKLOPKE *AMMETER SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																								
2polna 3 struje (sa ili bez strujnih transformatora) <i>2 pole 3 currents (with or without current transformers)</i>	 P9057	58	5	 <table border="1" data-bbox="742 929 1093 1108"> <tr><td>L1</td><td>X</td><td></td><td></td><td>X</td><td></td><td>X</td><td>X</td></tr> <tr><td>L2</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td></tr> <tr><td>L3</td><td>X</td><td></td><td></td><td>X</td><td>X</td><td></td><td>X</td></tr> </table>	L1	X			X		X	X	L2			X	X				L3	X			X	X		X
	L1	X				X		X	X																			
	L2				X	X																						
	L3	X				X	X		X																			
	 P9055	C 58	5																									
 P9074	D 58	5																										
 P9050	E 58	5																										
1polna 3 struje (sa strujnim transformatorom) <i>1 pole 3 currents (with current transformer)</i>	 P9007	98	3	 <table border="1" data-bbox="742 1713 997 2004"> <tr><td>0</td><td>X</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>L1</td><td></td><td>X</td><td>X</td><td></td><td>X</td></tr> <tr><td>L2</td><td>X</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>L3</td><td>X</td><td></td><td></td><td>X</td><td>X</td></tr> </table>	0	X	X			X	L1		X	X		X	L2	X	X			X	L3	X			X	X
	0	X	X				X																					
	L1		X		X		X																					
	L2	X	X				X																					
	L3	X				X	X																					
 P9014	C 98	3																										
 P9008	D 98	3																										
 P9003	E 98	3																										
				za / for GX, GN 4G10 - 4G25, GF20																								

AMPERMETARSKE SKLOPKE *AMMETER SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>
		97	6	
		C 97	6	
		D 97	6	
		E 97	6	
2polna 0-položaj 3 struje (sa ili bez strujnih transformatora) 2 pole 0-position 3 currents (with or without current transformers)		97	5	
		C 97	5	
		D 97	5	
		E 97	5	
		97	5	
		C 97	5	
		D 97	5	
		E 97	5	
		97	5	

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

za / for 4G40 - 4G1200, GF10

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

za / for GX, GN
4G10 - 4G25, GF20

VOLTMETAR - AMPERMETARSKE SKLOPKE *VOLTMETER - AMMETER SWITCHES*

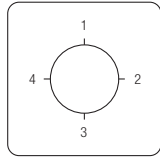
Funkcija
Function

Podloga
Escutcheon plate

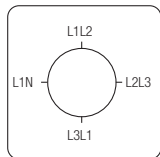
Kod
Code

Br. elem.
No of elem.

Dijagram
Diagram



P9047

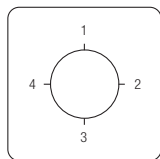


P9079

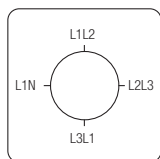
3 linijska napona
1 fazni napon
3 struje

3 line voltage
1 phase voltage
3 currents

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



P9047



P9079

61

8

C 61

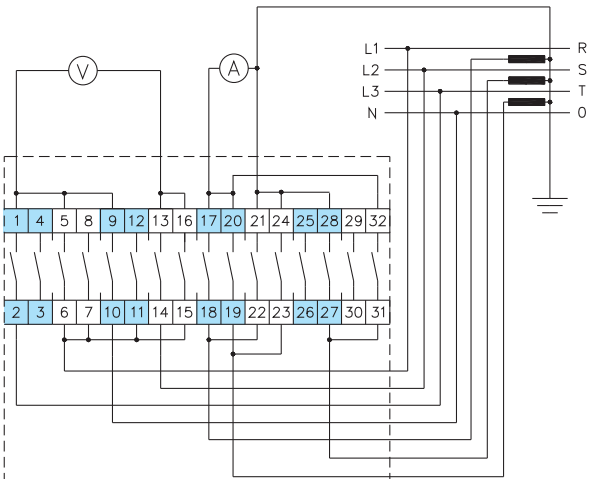
8

61

6

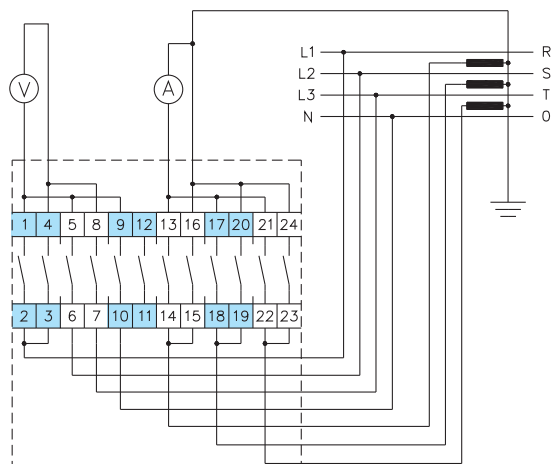
C 61

6



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

za / for 4G40 - 4G1200, GF10



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

za / for GX, GN
4G10 - 4G25, GF20

VOLTMETAR - AMPERMETARSKE SKLOPKE *VOLTMETER - AMMETER SWITCHES*

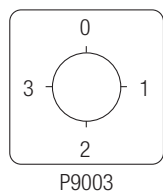
Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

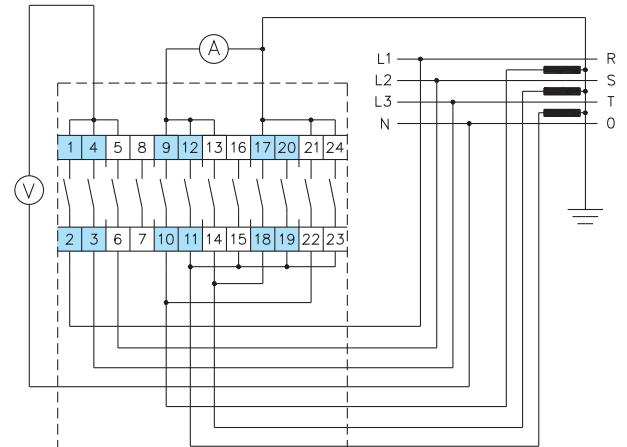
Br. elem.
No of elem.

Dijagram
Diagram



64

6

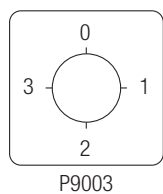


0				X	X	X
1	X		X		X	X
2		X		X		X
3	X		X		X	X

za / for 4G40 - 4G1200, GF10

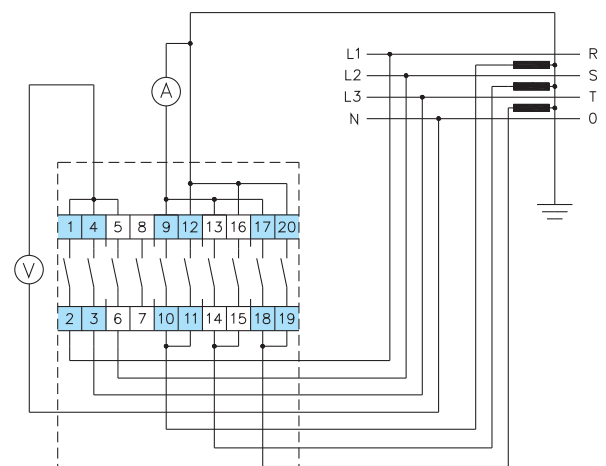
3 fazna napona
3 struje
*3 phase voltage
3 currents*

poz.	napon <i>voltage</i>	struja <i>currents</i>
0	—	—
1	L1N	L1
2	L2N	L2
3	L3N	L3



64

5



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

za / for GX, GN
4G10 - 4G25, GF20

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

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>
<p>1 uklop i 1 isklop <i>1 make and 1 break</i></p> <p>2 uklopa i 2 isklopa <i>2 makes and 2 breaks</i></p> <p>3 uklopa i 3 isklopa <i>3 makes and 3 breaks</i></p>	<p>P3073</p>	<p>204</p> <p>205</p> <p>206</p>	<p>1</p> <p>2</p> <p>3</p>	
<p>1 uklop desno i 1 isklop lijevo <i>1 make right and 1 break left</i></p>	<p>P6064</p>	<p>207</p>	<p>1</p>	
<p>STOP START</p> <p>P6065</p>	<p>C207</p>	<p>1</p>		
<p>1 uklop, 1 isklop desno 1 uklop, 1 isklop lijevo <i>1 make, 1 break right 1 make, 1 break left</i></p> <p>2 uklopa, 2 isklopa desno 2 uklopa, 2 isklopa lijevo <i>2 makes, 2 breaks right 2 makes, 2 breaks left</i></p>	<p>P6058</p>	<p>208</p> <p>209</p>	<p>2</p> <p>4</p>	

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

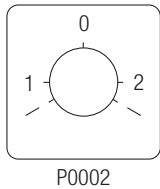
Funkcija
Function

Podloga
Escutcheon plate

Kod
Code

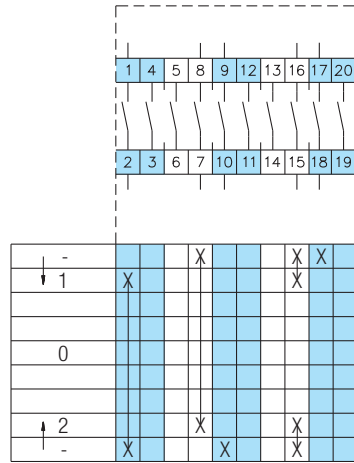
Br. elem.
No of elem.

Dijagram
Diagram

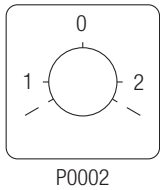


210

5

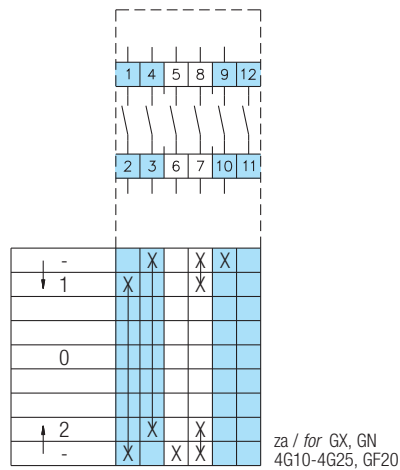


Sklopka sa zakretnim tipkalom lijevo i desno
Switch with spring return left and right



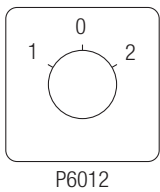
210

3



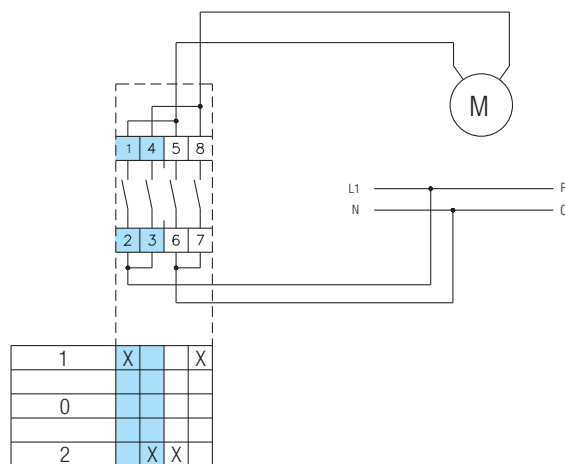
MOTORSKE REVERZIBILNE SKLOPKE *MOTOR REVERSING SWITCHES*

2 polna
2 pole



24

2



MOTORSKE REVERZIBILNE SKLOPKE *MOTOR REVERSING SWITCHES*

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

MOTORSKE REVERZIBILNE SKLOPKE *MOTOR REVERSING SWITCHES*

Funkcija
Function

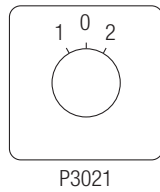
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

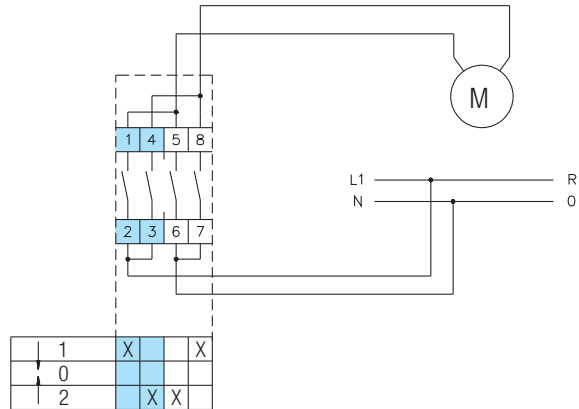
Dijagram
Diagram

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

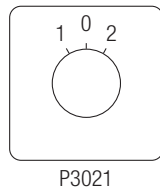


25

2

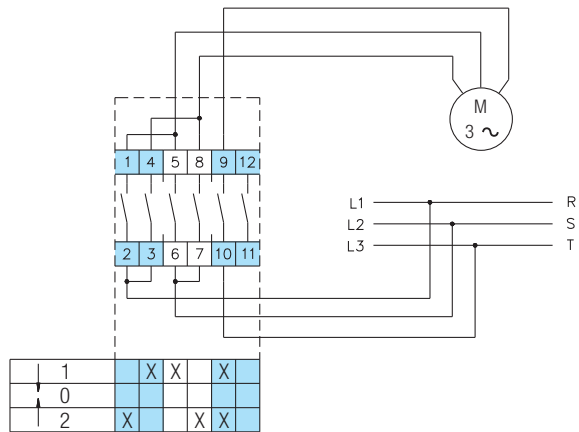


3 polna
povrat u "0"
*3 pole
return to "0"*

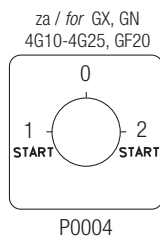


26

3

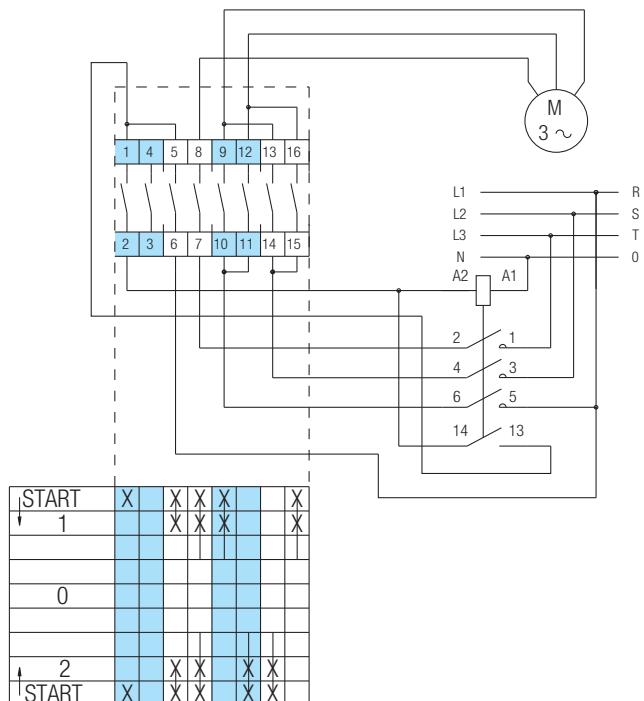


3 polna
sa sklopnikom
*3 pole
with contactor*



27

4



ZVIJEZDA - TROKUT SKLOPKE *STAR - DELTA SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>
Standardna verzija <i>Standard version</i>	<p>P6034</p>	12	4	
	<p>P6014</p>	30	4	
2 smjera okretanja <i>Reversing</i>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="296 1532 453 1760"> <p>za / for GX, GN 4G10-4G25, GF20</p> <p>P6083</p> </div> <div data-bbox="475 1532 635 1760"> <p>za / for 4G40-4G200 GF10</p> <p>P3025</p> </div> </div>	21	5	

ZVIJEZDA - TROKUT SKLOPKE *STAR - DELTA SWITCHES*

Funkcija
Function

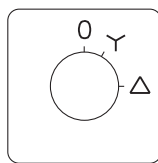
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

Dijagram
Diagram

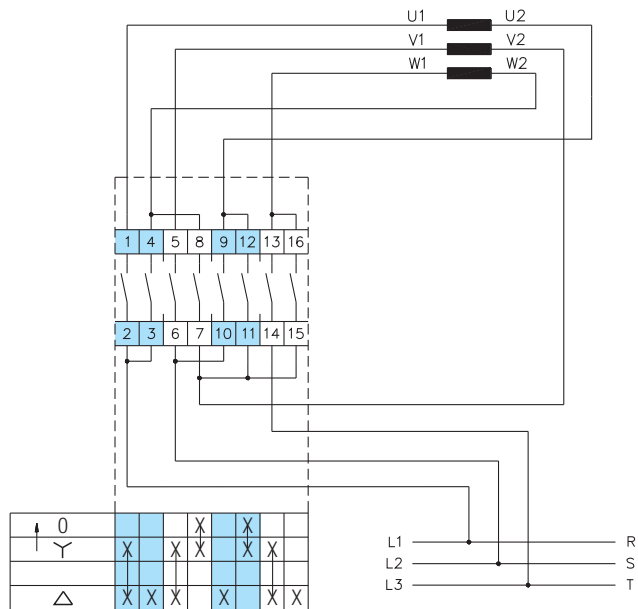
Povrat iz Y u "0"
Return from Y to "0"



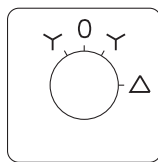
P0006

28

4



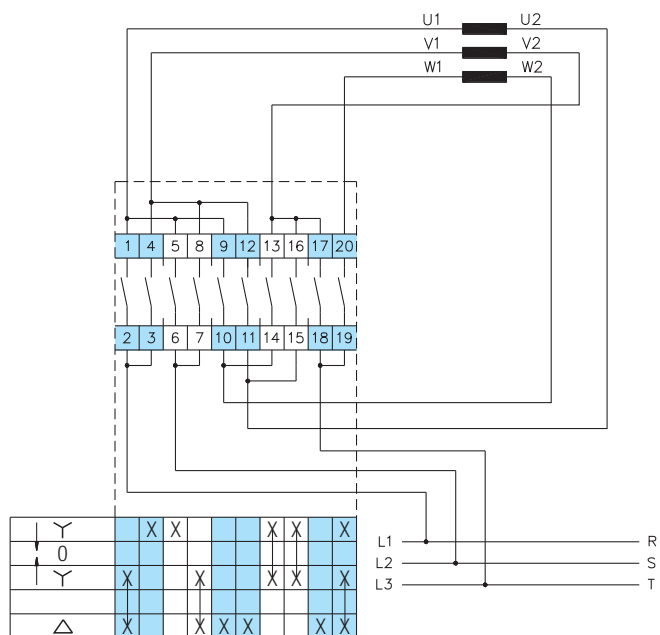
Protustrujno kočenje
Counter current braking



P0007

29

5



ZVIJEZDA - TROKUT SKLOPKE *STAR - DELTA SWITCHES*

Funkcija
Function

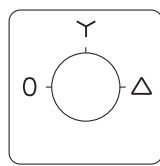
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

Dijagram
Diagram

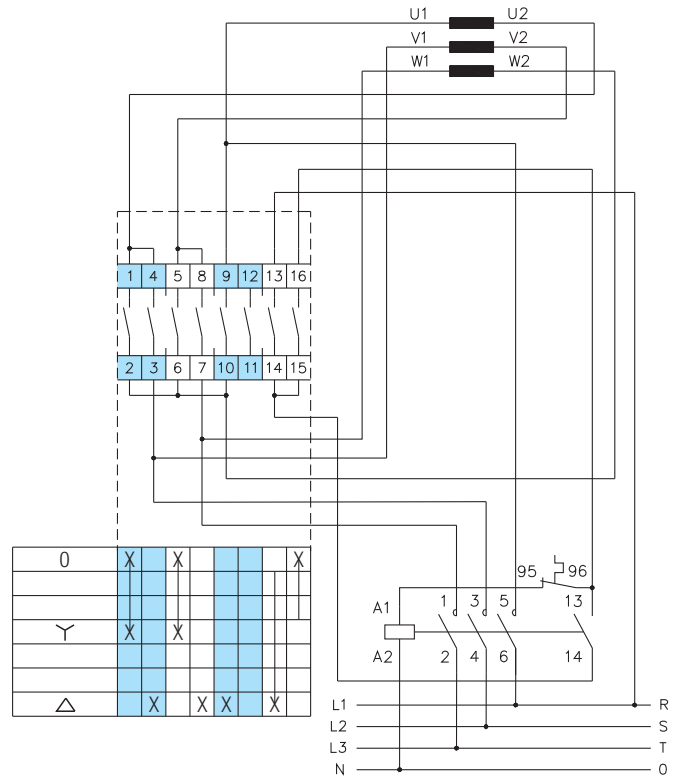
Sa sklopnikom
With contactor



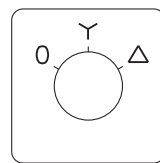
P9041

31

4



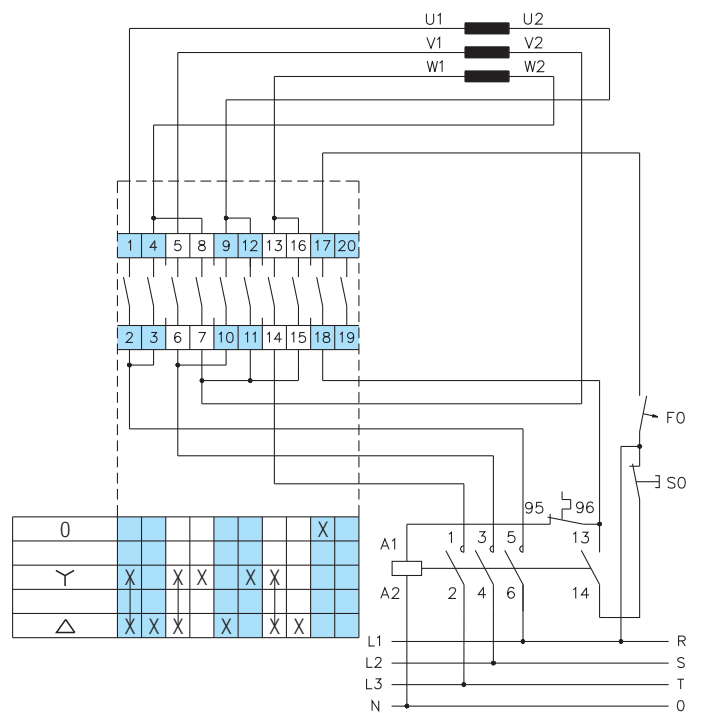
S kontaktom u
"0" položaju
With contact in "0"
position



P6034

49

5



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

Funkcija
Function

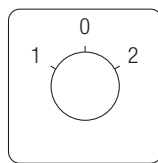
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

Dijagram
Diagram

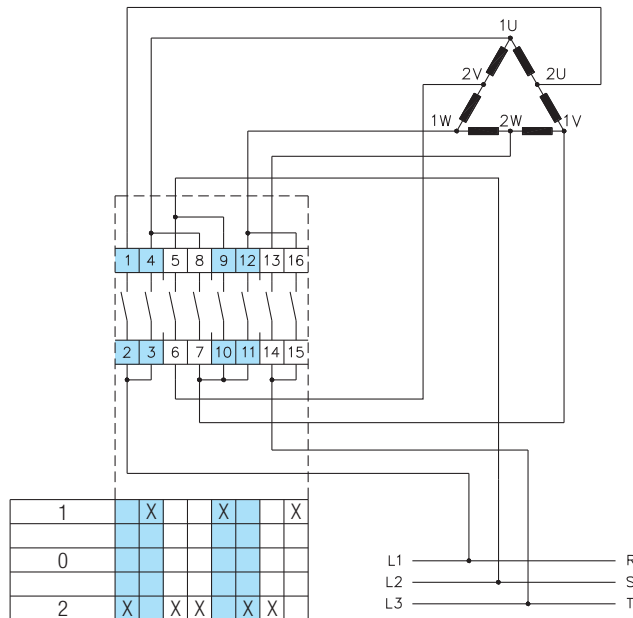
Položaj "0" u sredini
(Δ - 0 - YY)
With center "0"
(Δ - 0 - YY)



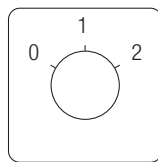
P6012

13

4



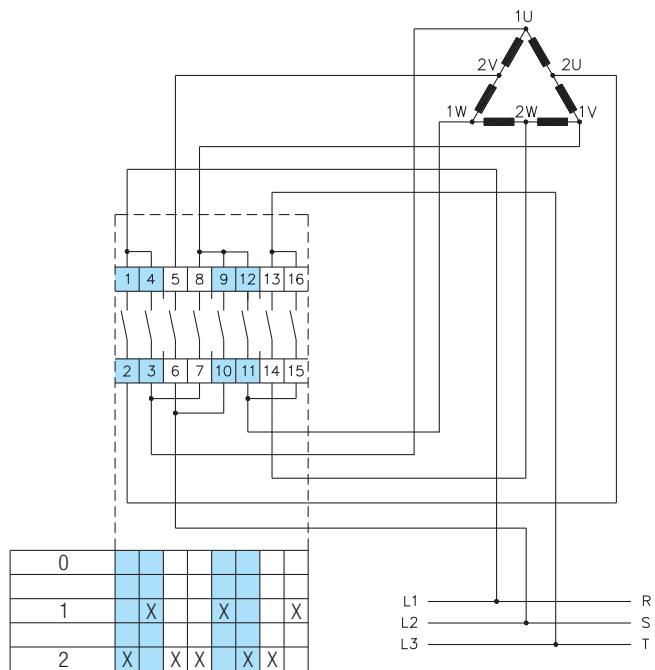
Standardna izvedba
(0 - Δ - YY)
Standard version
(0 - Δ - YY)



P6033

19

4



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

Funkcija
Function

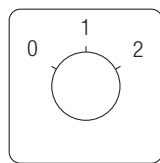
Podloga
Escutcheon plate

Kod
Code

Br. elem.
No of elem.

Dijagram
Diagram

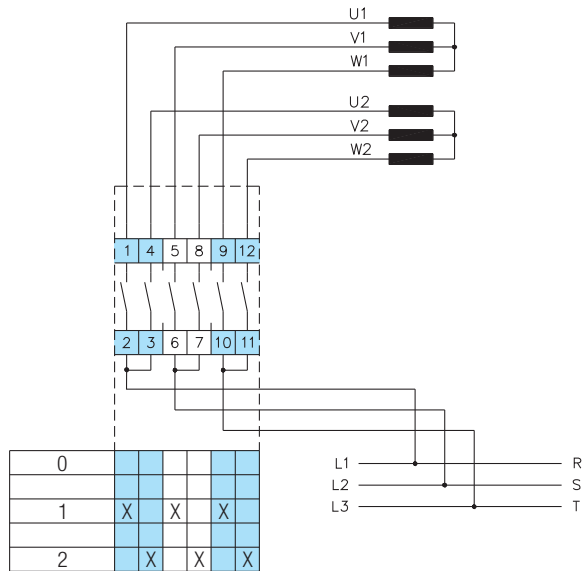
2 brzine, 2 namota
2 speed, 2 windings



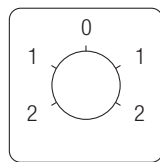
P6033

22

3



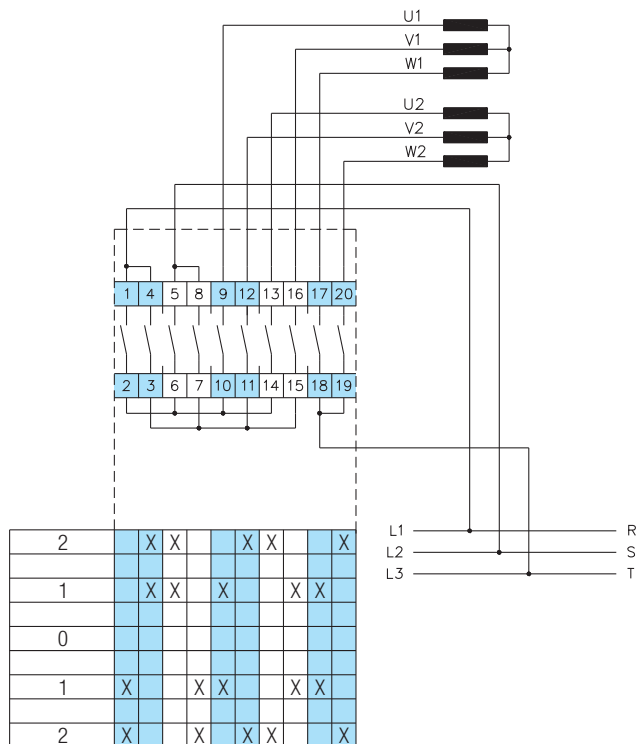
2 brzine, 2 smjera
2 namota
2 speed, reversing,
2 windings



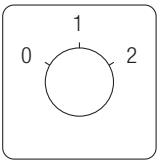
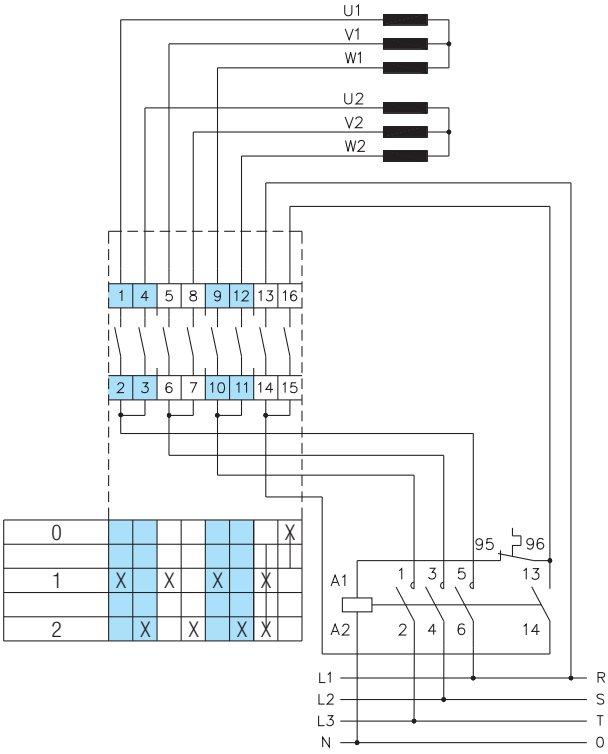
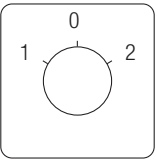
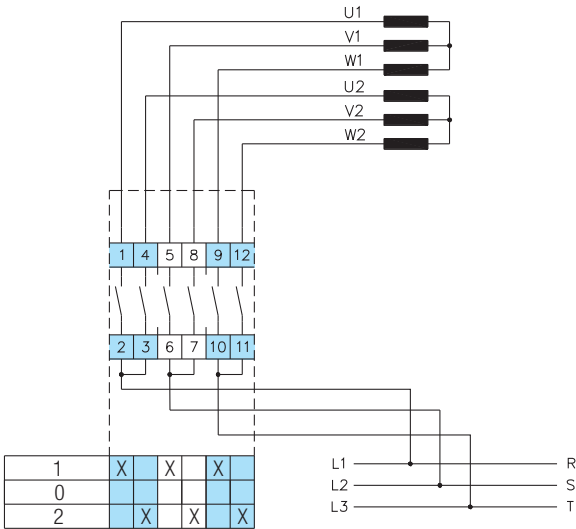
P6010

23

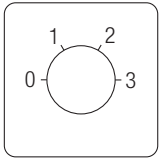
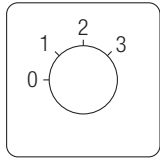
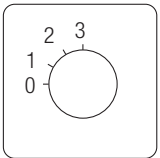
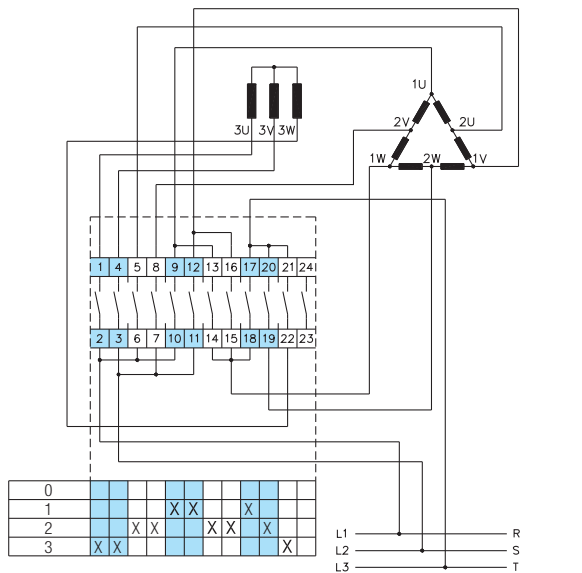
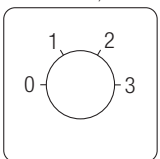
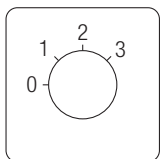
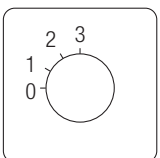
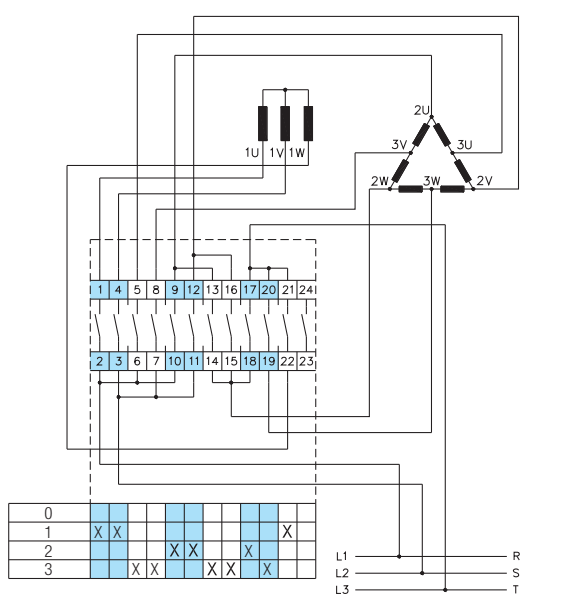
5



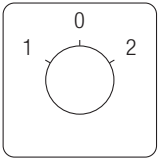
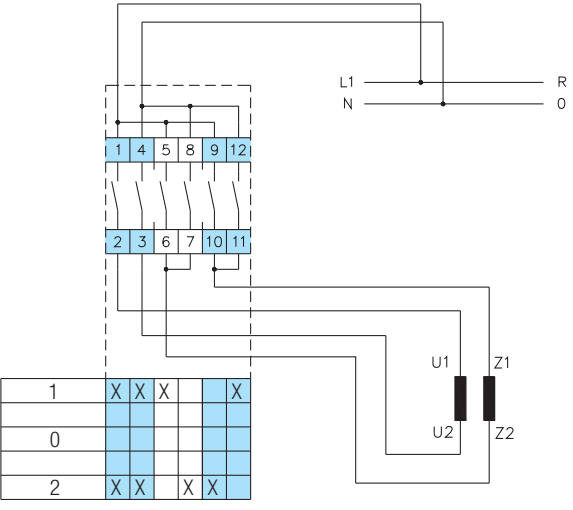
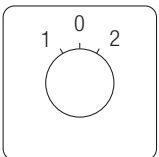
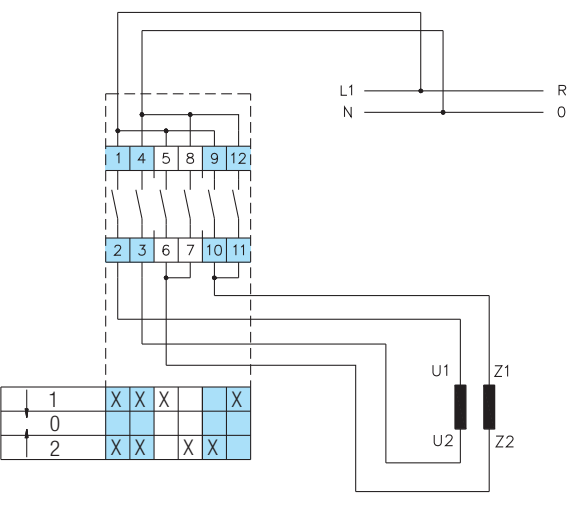
SKLOPKE ZA UPRAVLJANJE MOTORIMA (Odvojeni namoti) *MOTOR CONTROL SWITCHES (Separate windings)*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																		
2 brzine, 2 namota sa sklopnikom <i>2 speed, 2 windings with contactor</i>	 P6033	33	4	 <table border="1" data-bbox="826 925 1129 1048"> <tr><td>0</td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>1</td><td>X</td><td></td><td>X</td><td></td><td>X</td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td></tr> </table>	0					X	1	X		X		X	2	X	X		X	X
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1	X		X		X																	
2	X	X		X	X																	
2 brzine, 2 namota <i>2 speed, 2 windings</i>	 P6012	53	3	 <table border="1" data-bbox="826 1832 1082 1910"> <tr><td>1</td><td>X</td><td></td><td>X</td><td>X</td></tr> <tr><td>0</td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td></tr> </table>	1	X		X	X	0					2	X	X		X			
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0																						
2	X	X		X																		

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

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																																																																																																
<p>3 brzine, 2 namota (1. i 2. brzina Dahlander) (0 - Δ - YY - Y)</p> <p>3 speed, 2 windings (1. and 2. speed Dahlander) (0 - Δ - YY - Y)</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>za / for GX, GN 4G10-4G25, GF20</p>  <p>P6046</p> </div> <div style="text-align: center;"> <p>za / for 4G100-4G200 GF10</p>  <p>P4022</p> </div> </div> <hr/> <div style="text-align: center;"> <p>za / for 4G40-4G80</p>  <p>P3048</p> </div>	35	6	 <table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> </table>	0																								1					X	X									X									2			X	X							X	X												3	X	X																				X	
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3	X	X																				X																																																																														
<p>3 brzine, 2 namota (2. i 3. brzina Dahlander) (0 - Y - Δ - YY)</p> <p>3 speed, 2 windings (2. and 3. speed Dahlander) (0 - Y - Δ - YY)</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>za / for GX, GN 4G10-4G25, GF20</p>  <p>P6046</p> </div> <div style="text-align: center;"> <p>za / for 4G100-4G200 GF10</p>  <p>P4022</p> </div> </div> <hr/> <div style="text-align: center;"> <p>za / for 4G40-4G80</p>  <p>P3048</p> </div>	36	6	 <table border="1" style="margin-top: 10px;"> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>1</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td></tr> <tr><td>2</td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>3</td><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></tr> </table>	0																								1	X	X																					X	2			X	X							X	X												3	X	X																				X	
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2			X	X							X	X																																																																																								
3	X	X																				X																																																																														

SKLOPKE ZA POKRETANJE JEDNOFAZNIH MOTORA *START AND RUN SWITCHES*

Funkcija <i>Function</i>	Podloga <i>Escutcheon plate</i>	Kod <i>Code</i>	Br. elem. <i>No of elem.</i>	Dijagram <i>Diagram</i>																					
2 smjera okretanja trajno uključena pomoćna faza <i>Reversing permanent start winding</i>	 P6012	17	3	 <table border="1" data-bbox="845 907 1093 1041"> <tr><td>1</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td></tr> </table>	1	X	X	X			X	0							2	X	X		X	X	
1	X	X	X			X																			
0																									
2	X	X		X	X																				
	 P3021	50	3	 <table border="1" data-bbox="845 1780 1093 1870"> <tr><td>1</td><td>X</td><td>X</td><td>X</td><td></td><td></td><td>X</td></tr> <tr><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>2</td><td>X</td><td>X</td><td></td><td>X</td><td>X</td><td></td></tr> </table>	1	X	X	X			X	0							2	X	X		X	X	
1	X	X	X			X																			
0																									
2	X	X		X	X																				

SKLOPKE SERIJE *SWITCHES SERIES* 4G200 - 4G1200

Kod <i>Code</i>	Broj elemenata / <i>Number of elements</i>				
	4G200	4G400	4G630	4G800	4G1200

SKLOPKE S KUTOM ZAKRETA 60°
SWITCHES WITH 60° SWITCHING

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

SKLOPKE S KUTOM ZAKRETA 90°
SWITCHES WITH 90° SWITCHING

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

Kod <i>Code</i>	Broj elemenata / <i>Number of elements</i>				
	4G200	4G400	4G630	4G800	4G1200
09	2	4	6	6	9
C09	2	4	6	6	9

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

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

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

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

SKLOPKE SERIJE *SWITCHES SERIES* 4G200 - 4G1200

Kod <i>Code</i>	Broj elemenata / <i>Number of elements</i>				
	4G200	4G400	4G630	4G800	4G1200
C54	1	2	3	4	6
C55	2	4	6	8	12
C56	3	6	9	12	-
C69	4	8	12	16	-

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

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

Kod <i>Code</i>	Broj elemenata / <i>Number of elements</i>				
	4G200	4G400	4G630	4G800	4G1200

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

107	1	2	3	4	6
123	2	4	6	8	12
135	3	6	9	12	-
145	4	8	12	16	-
151	5	10	15	-	-
156	6	12	-	-	-
160	7	14	-	-	-
163	8	16	-	-	-
108	2	4	6	8	12
124	3	6	9	12	-
136	5	10	15	-	-
146	6	12	-	-	-
152	8	16	-	-	-
109	2	4	6	8	12
125	4	8	12	16	-
137	6	12	-	-	-
147	8	16	-	-	-
110	3	6	9	12	-
126	5	10	15	-	-
138	8	16	-	-	-
111	4	8	12	16	-
127	7	14	-	-	-
112	4	8	12	16	-
128	8	16	-	-	-
113	5	10	15	-	-
114	5	10	15	-	-
115	6	12	-	-	-
116	6	12	-	-	-

POPIS SHEMA *LIST OF SHEMAS*

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

■ ROTARY CAM SWITCHES GN, GF, 4G, GX



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