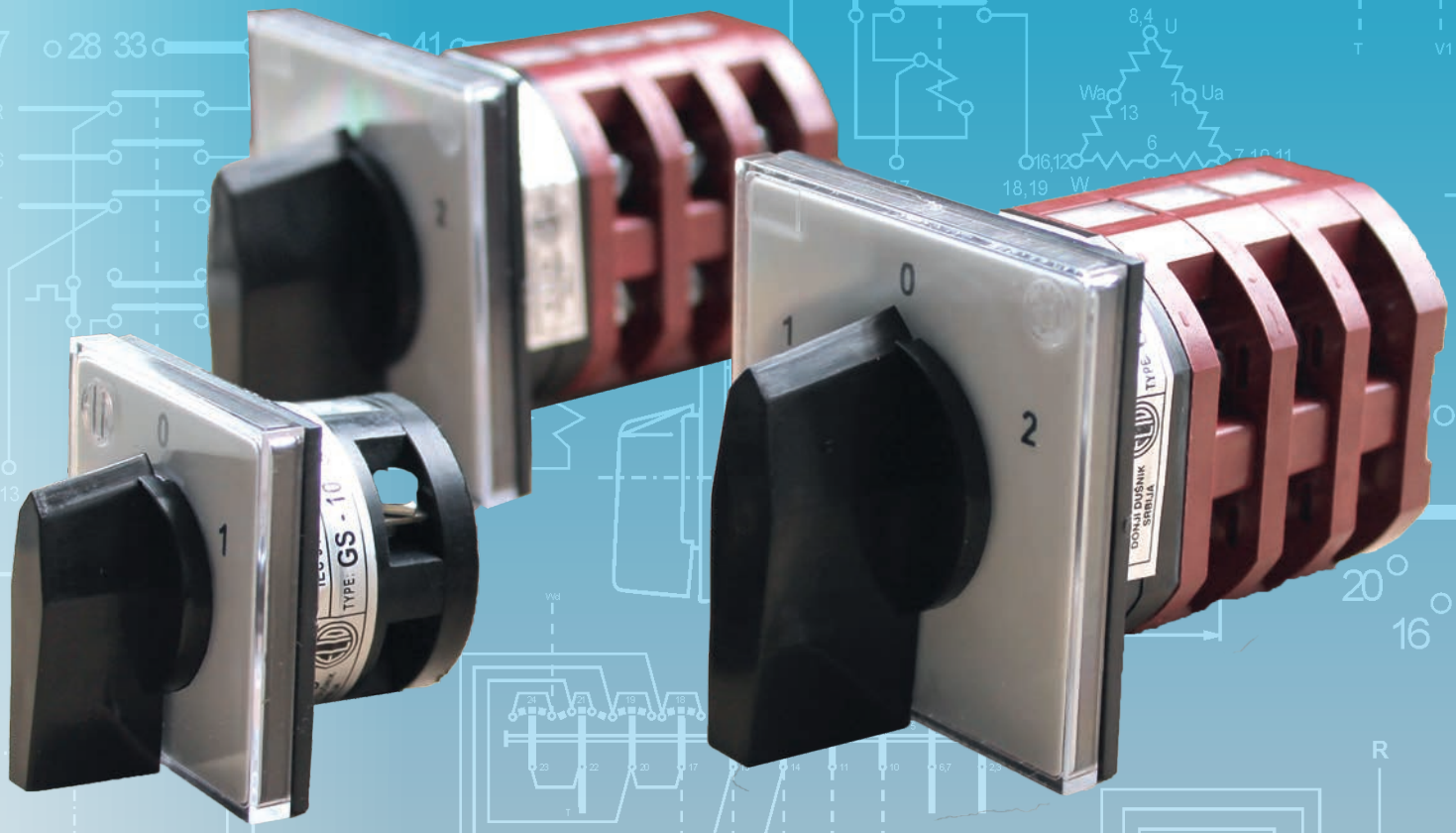
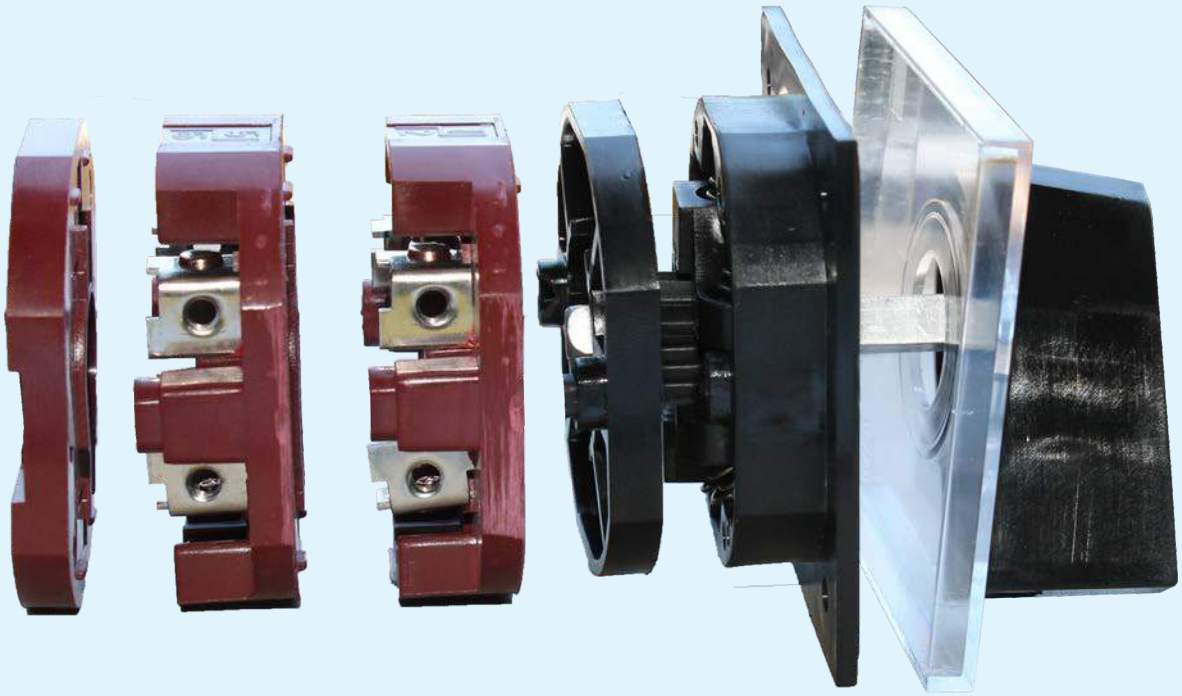
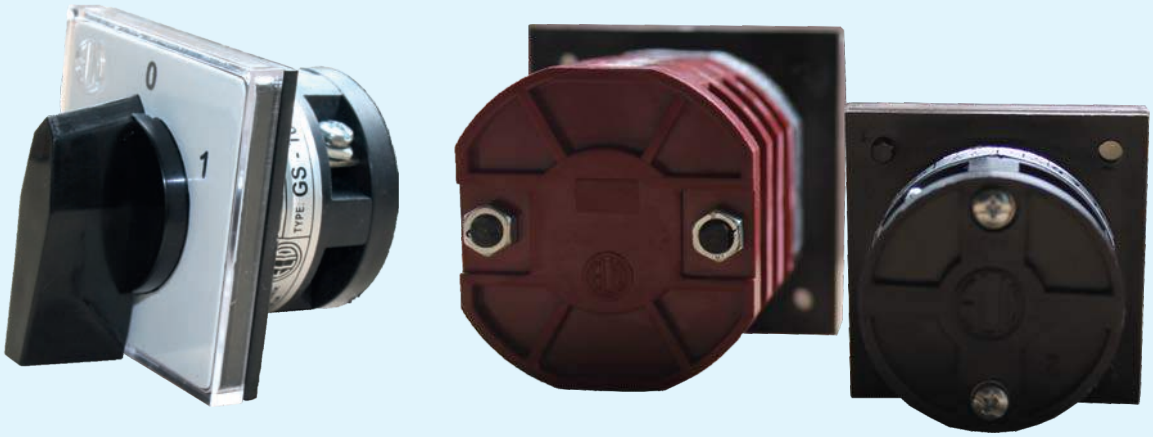
GREBENASTE SKLOPKE



ELID




0
1
TYPE GS

0
1
2

Grebenaste sklopke serije ELID za nazivne struje od 10 do 630A, odlikuju se savremenom konstrukcijom, dobrim električnim i mehaničkim osobinama, različtim uglovima uključenja i estetskim izgledom.

ELID cam switches are designed for rated currents from 10 to 630A and are distinguished by latest design and very good electrical and mechanical features.

KATEGORIJE PRIMENE — UTILIZATION CATEGORY

Kategorije Category	Primena Utilization
AC-20	Spajanje i rastavljanje neopterećenih kola Connecting and disconnecting under not-load conditions
AC-21	Uključivanje i isključivanje aktivnih potrošača, uključijući i umerena preopterećenja On-Off swicthing of resistive loads, including moderate overloads
AC-22	Uključivanje i prekidanje kombinovanih, aktivnih i iduktivnih potrošača, uključujući i umerena preopterećenja Switching mixed resistive and inductive loads, inculuding moderate overloads
AC-2	Pokretanje klizno-kolutnih motora Starting slip-ring motors and plugging
AC-23	Uključivanje i isključivanje motora ili drugih jako induktivnih potrošača Switching motor loads or other highly inductive loads
AC-3	Pokretanje i isključivanje motora pri punoj brzini Starting squirrel-cage motors and swtching off motors when running
AC-4	Pokretanje motora, intermitiran pogon, reverziranje Starting squirrel-cage motors, plugging, inching, reversing
AC-11	Upravljanje elektromagnetnih pogona (sklopnika, ventila i si.) Control switch for switching magnetic devices contactors, valves

TIPOVI I GRUPE — TYPES AND GROUPS

U odnosu na spoljne dimenzije sklopke se mogu svrstati u četiri grupe. Slopke odredjene grupe imaju iste čeone ploče, ručice, dimenzije i način za pričvršćivanje.
Osnovni tip sklopke odredjen je prema nazivnoj radnoj struji Ie / AC-21

The cam switches are classified into four groups according to their outline dimensions. Switches belonging to one group have same front plates, handles, dimensions and method of attachment. The switche type is determined by the rated service current Ie/AC-21

grupa/group		Art.201	Art.202		Art.203		Art.204			
tip/type		GS10	GS16	GS25	GS40	GS63	GS100	GS200	GS400	GS630
nazivna radna struja Ie /A/ rated service current Ie/A/	AC-21	10	16	25	40	63	100	200	400	630

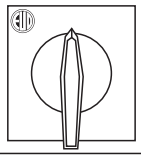
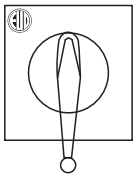
OBLICI UGRADNJE — MOUNTING FORMS

Oblik Form		GS10	GS16	GS25	GS40	GS63	GS100	GS200	GS400	GS630
Za čeonu ugradnju Front mounting	**U**	●	●	●	●	●	●	●	●	●
Za odvojenu ugradnju Separate mounting	**OU**	●	●	●	●	●	●	●	●	●
U plastičnom kućištu In plastic casing	**PK**	●	●	●	●	●				
U limenom kućištu In sheet metal casing	**LK**				●	●	●			

UGAO UKLJUČENJA — SWITCHING ANGLE

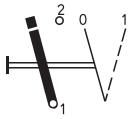
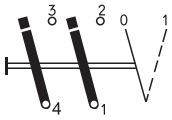
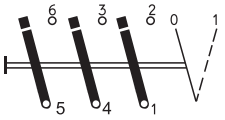
	grupa/group			
	Art.201	Art.202	Art.203	Art.204
30°	●	●	●	●
45°	●	●		
60°	●	●	●	●
90°	●	●	●	

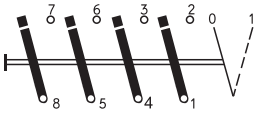
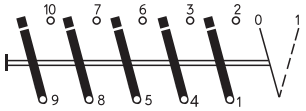
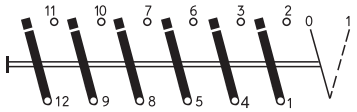
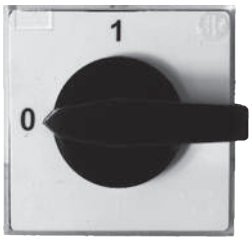
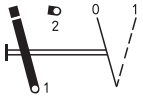
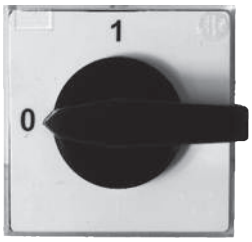
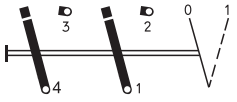
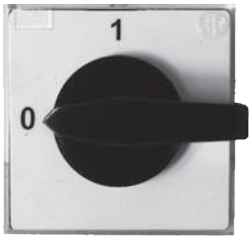
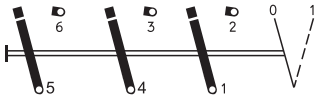
RUČICE — HANDLES

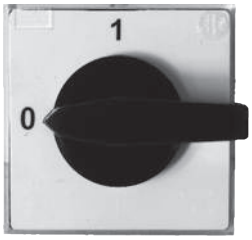
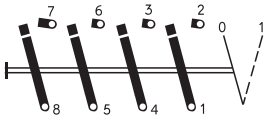
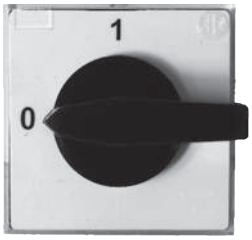
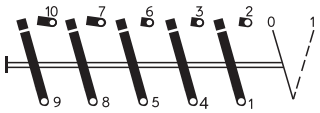
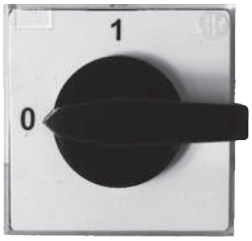
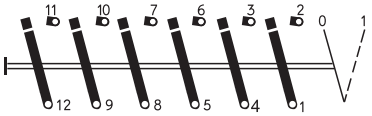
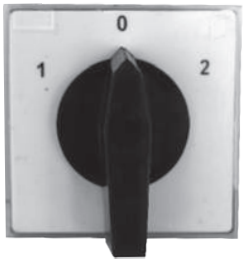
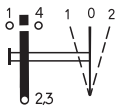
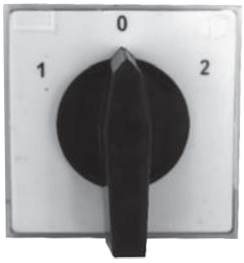
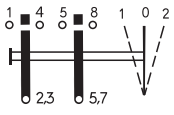
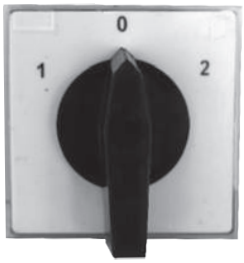
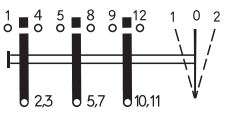
ručica handle	grupa/group			
	Art.201	Art.202	Art.203	Art.204
	R010 crna black R011 crvena red	R110 crna black R111 crvena red	R210 crna black R211 crvena red	R310 crna black R311 crvena red
		R120 crna black R121 crvena red	R220 crna black R221 crvena red	R320 crna black R321 crvena red

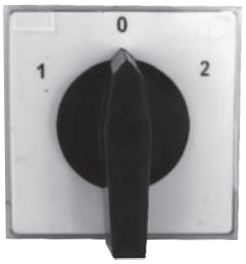
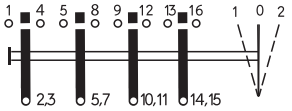
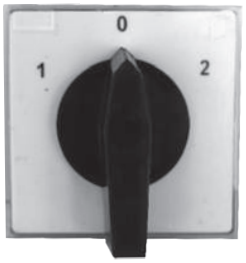
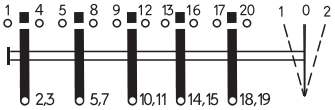
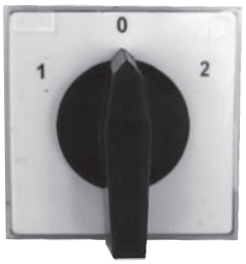
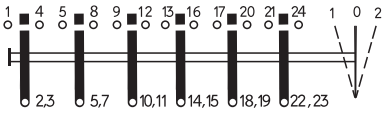
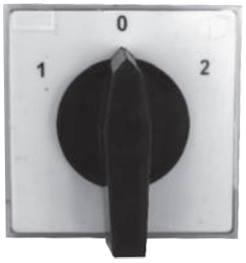
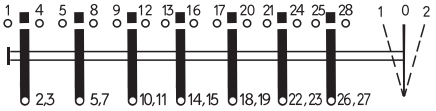
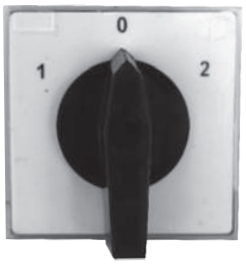
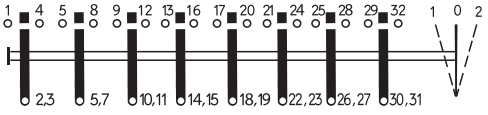
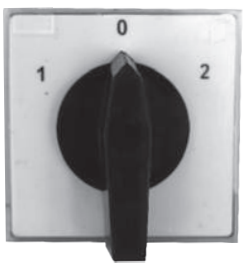
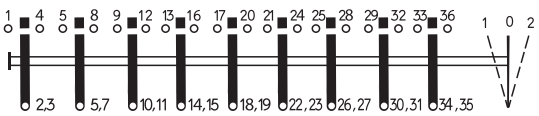
PROIZVODNI PROGRAM — PRODUCTION PROGRAM

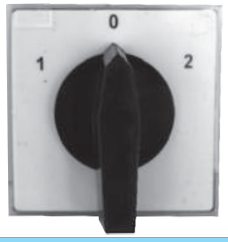
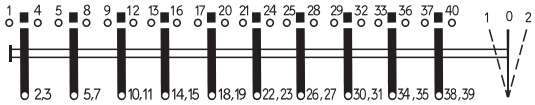
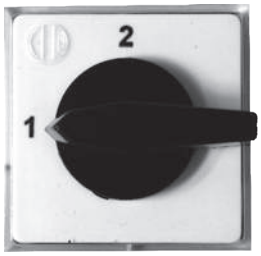
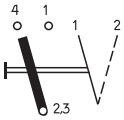
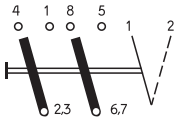
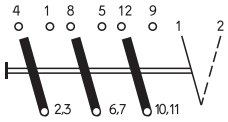
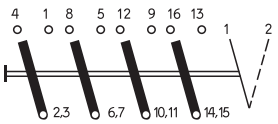
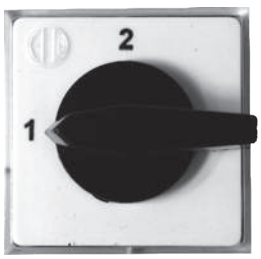
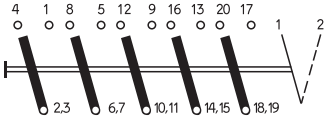
SKLOPKE — SWITCHES

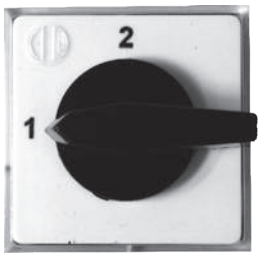
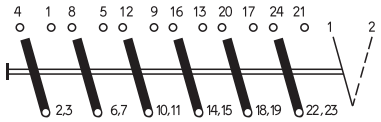
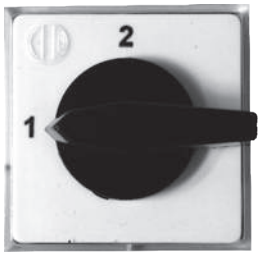
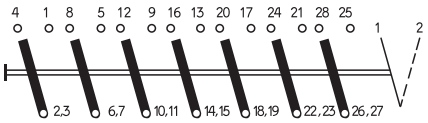
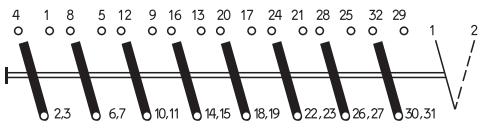
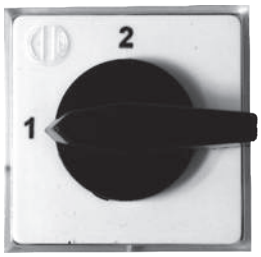
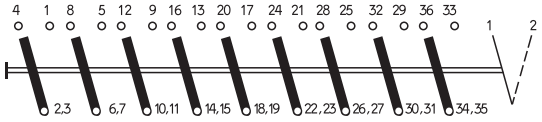
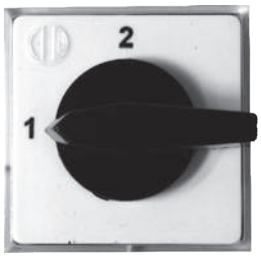
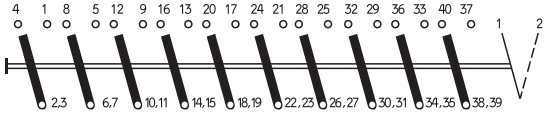
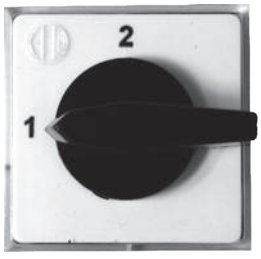
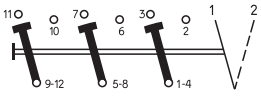
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	1 polna 1 pole		90	1 1 1 1 1 1 1 2 3	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		91	1 1 1 1 1 1 1 2 3	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	3 polna 3 poles		10	2 2 2 2 2 2 2 4 6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630

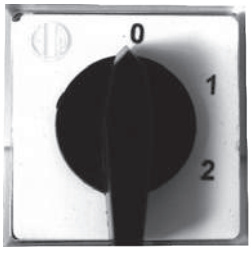
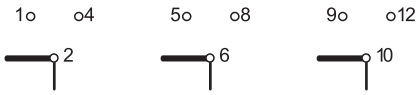
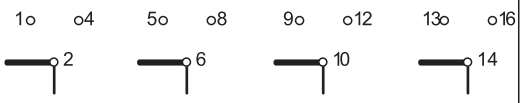
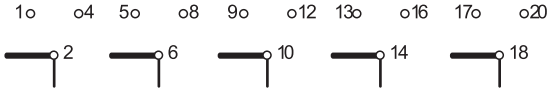
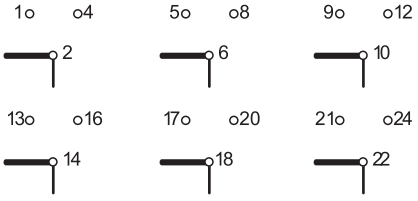
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	4 polna 4 poles		92	2 2 2 2 2 2 4 6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	5 polna 5 poles		99	3 3 3 3 3 3 3 6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400
	6 polna 6 poles		100	3 3 3 3 3 3 3 6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400
	1 polna sklopka kontakt 30° predhodi 1 pole contact 30° precede		270	1	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	2 polna sklopka kontakt 30° predhodi 2 pole contact 30° precede		271	1	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	3 polna sklopka kontakt 30° predhodi 3 pole contact 30° precede		63	2	90°	GS 10 GS 16 GS 25 GS 40 GS 63

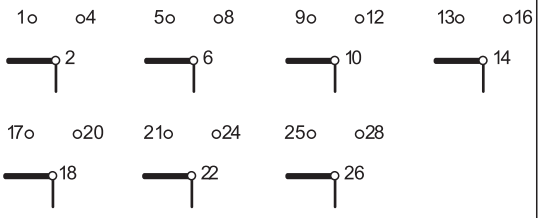
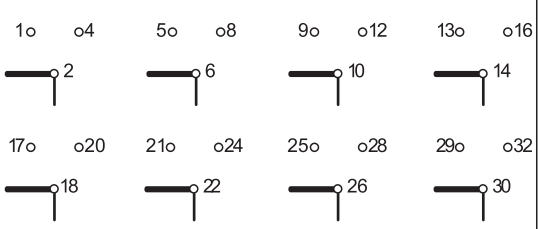
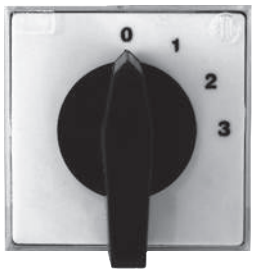
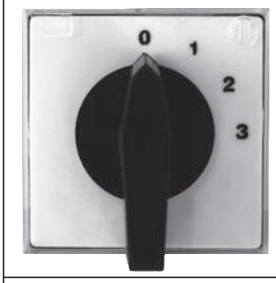
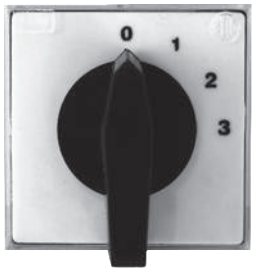
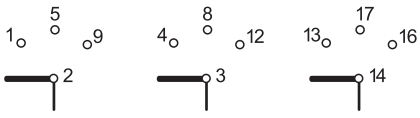
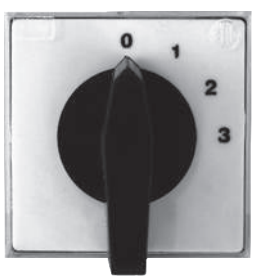
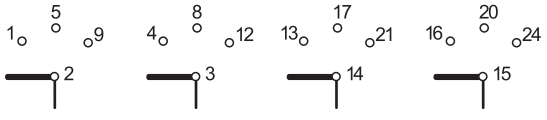
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	4 polna sklopka 3 kontakta 30° predhode 1 kontakt 60° predhodi 4 poles 3 contacts 30° precede 1 contacts 60° precede		272	2	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	5 polna sklopka 3 kontakta 30° predhode 2 kontakt 60° predhodi 5 poles 3 contacts 30° precede 1 contacts 60° precede		273	3	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna sklopka kontakta 30° predhode 6 poles contacts 30° precede		274	3	90°	GS 10 GS 16 GS 25 GS 40 GS 63
PREKLOPKE S NUL-POLOŽAJEM		**CHANGE OVER SWITCHES WITH OFF POSITION**				
	1 polna 1 pole		51	1 1 1 1 1 1 1 2 3	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		52	2 2 2 2 2 2 2 4 6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	3 polna 3 poles		53		60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400

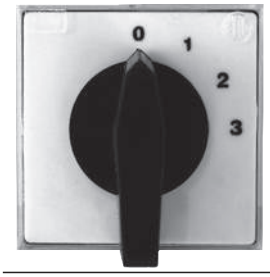
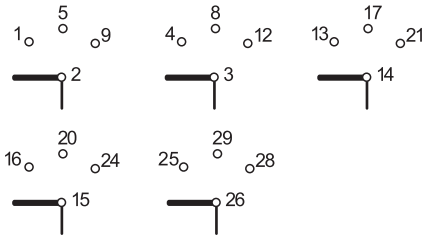
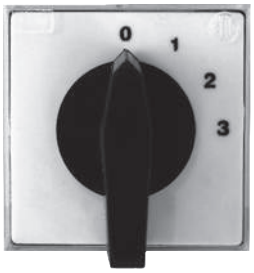
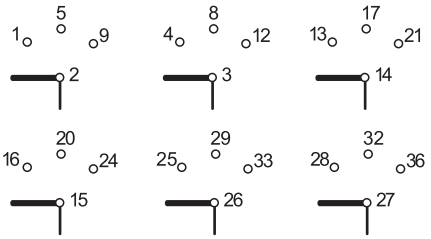
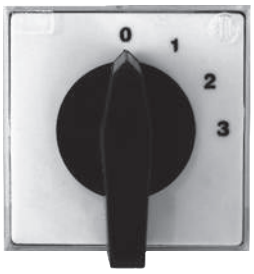
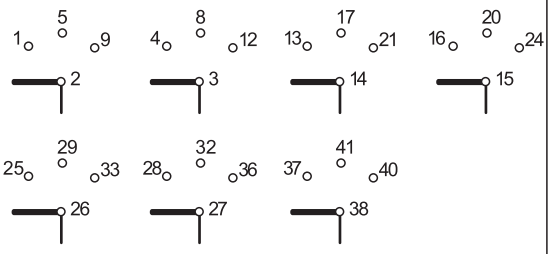
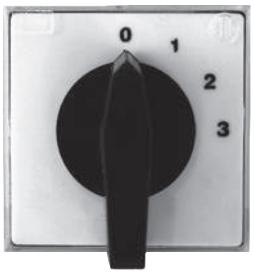
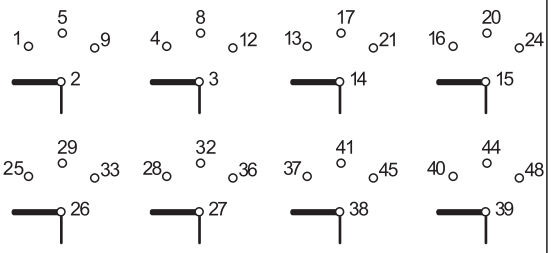
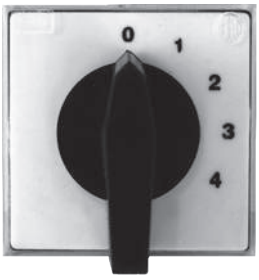
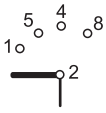
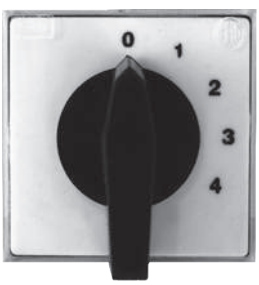
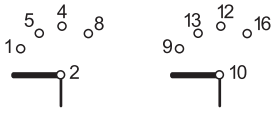
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br. elemenata No. of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	4 polna 4 poles		75	4	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	5 polna 5 poles		76	5	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	6 polna 6 poles		77	6	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	7 polna 7 poles		78	7	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63
	8 polna 8 poles		79	8	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63
	9 polna 9 poles		80	9	60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63

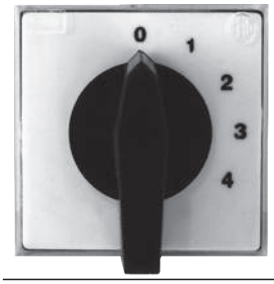
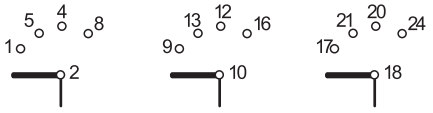
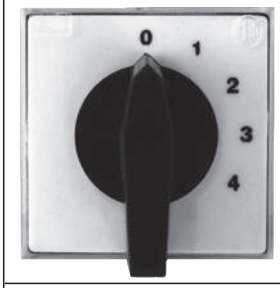
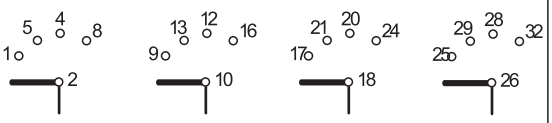
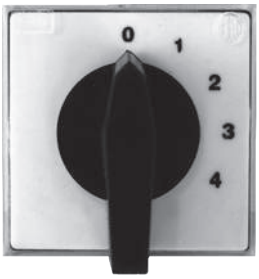
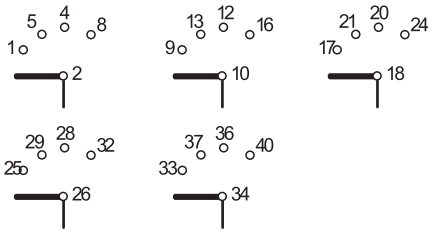
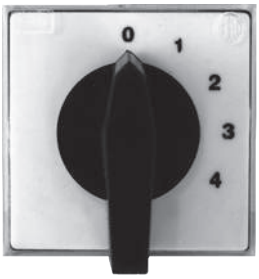
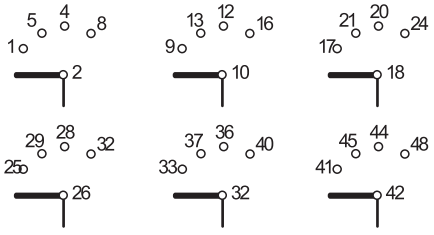
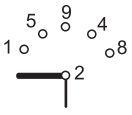
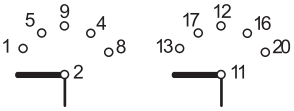
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	10 polna 10 poles		81		60° 90°	GS 10 GS 16 GS 25 GS 40 GS 63
PREKLOPKE BEZ NUL-POLOŽAJA		**CHANGE OVER SWITCHES WITHOUT OFF POSITION**				
	1 polna 1 pole		54	1 1 1 1 1 1 1 2 3	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		55	2 2 2 2 2 2 2 4 6	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	3 polna 3 poles		56	3 3 3 3 3 3 3 6	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400
	4 polna 4 poles		69	4	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	5 polna 5 poles		70	5	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

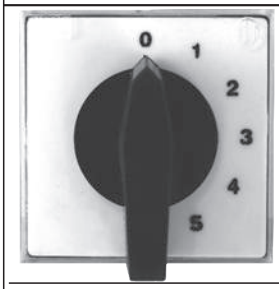
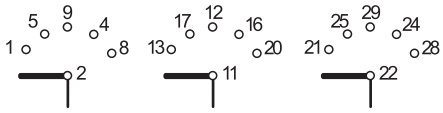
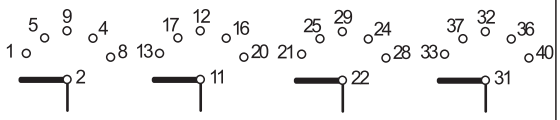
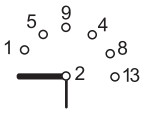
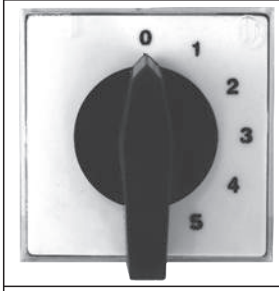
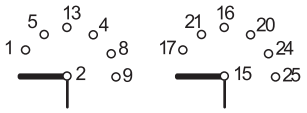
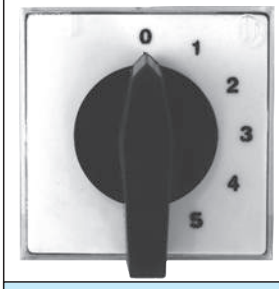
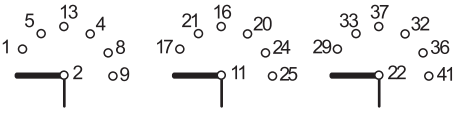
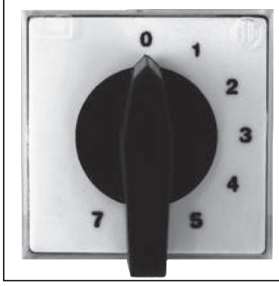
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br. elemenata No. of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	6 polna 6 poles		71	6	90°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	7 polna 7 poles		72	7	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	8 polna 8 poles		73	8	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	9 polna 9 poles		74	9	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	10 polna 10 poles		62	10	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	Tropolna strujna preklopka (preklapanje strujnih transformatora) 3-pole change over switch (ex. for switching current transformers)		57	3	90°	GS 10 GS 16 GS 25 GS 40

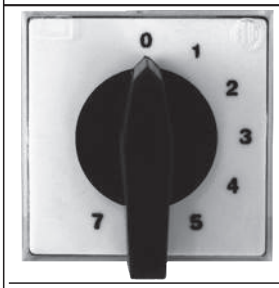
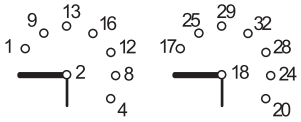
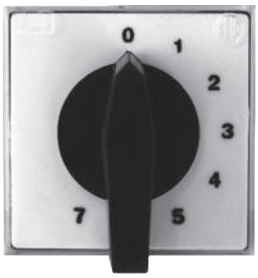
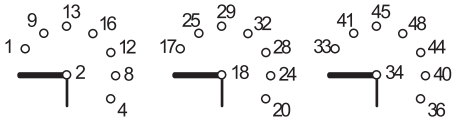
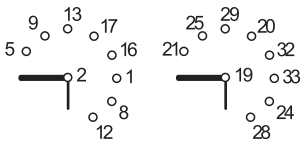
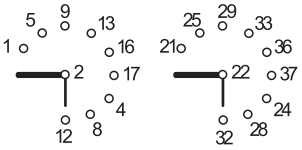
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
STEPENE SKLOPKE S-NUL POLOŽAJEM		**STEP SWITCHES WITH OFF POSITION**				
		2 stepena 2 steps				
	1 polna 1 pole		107	1 1 1 1 1 1 1 2 3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		123	2 2 2 2 2 2 2 4 6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	3 polna 3 poles		135	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	4 polna 4 poles		145	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	5 polna 5 poles		151	5	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna 6 poles		156	6	60°	GS 10 GS 16 GS 25 GS 40 GS 63

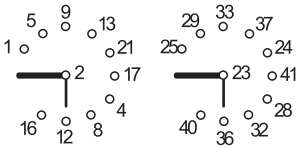
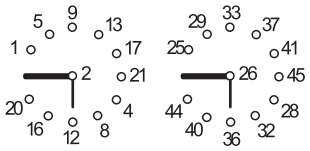
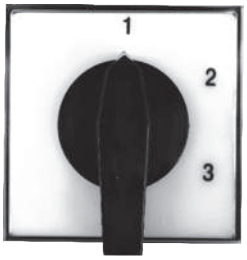
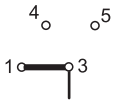
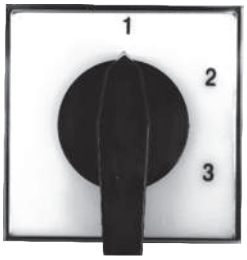
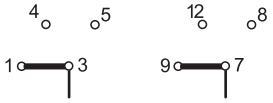
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	7 polna 7 poles		160	7	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	8 polna 8 poles		163	8	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	3 stepena 3 steps					
	1 polna 1 pole		108	2 2 2 2 2 2 2 4 6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		124	3 3 3 3 3 3 3 3 6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400
	3 polna 3 poles		136	5	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	4 polna 4 poles		146	6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100

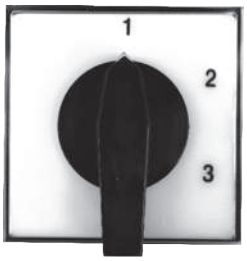
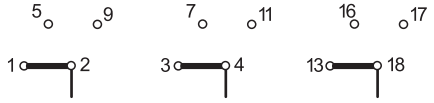
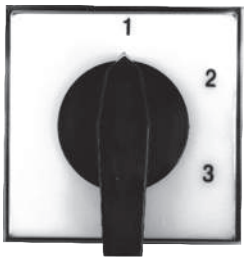
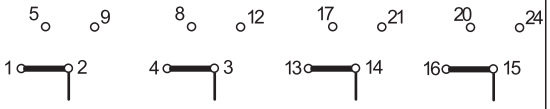
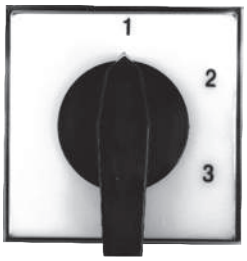
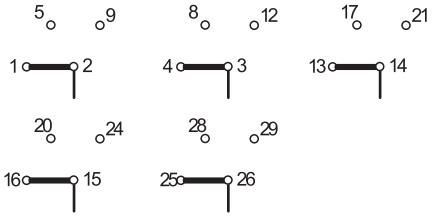
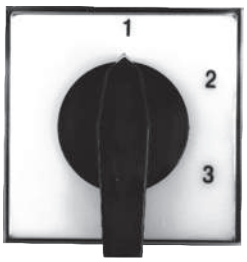
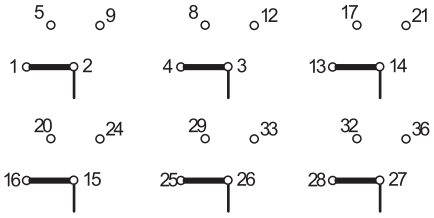
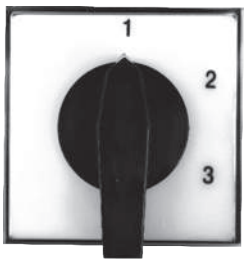
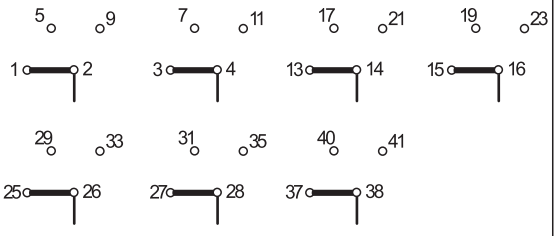
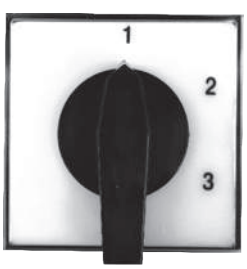
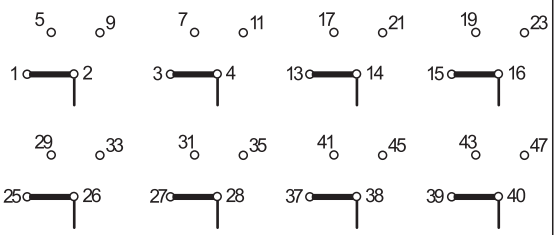
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	5 polna 5 poles		152	8	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna 6 poles		157	9	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	7 polna 7 poles		161	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	8 polna 8 poles		164	12	30°	GS 10 GS 16 GS 25 GS 40 GS 63
4 stepena 4 steps						
	1 polna 1 pole		109	2 2 2 2 2 2 2 4 6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		125	4	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

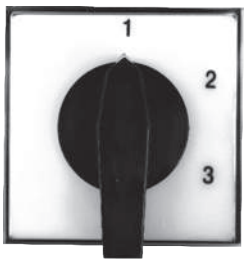
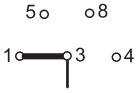
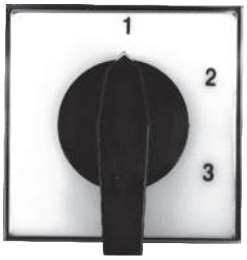
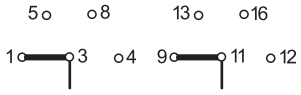
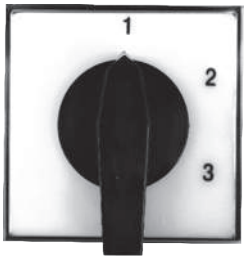
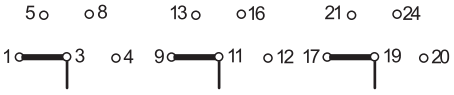
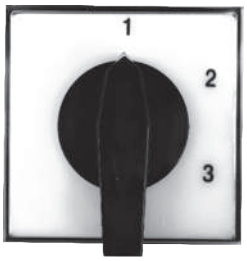
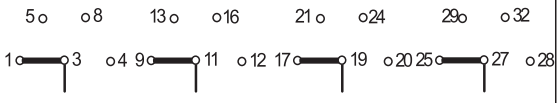
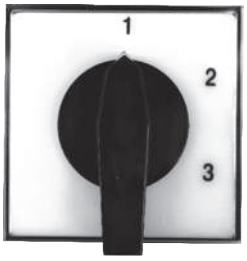
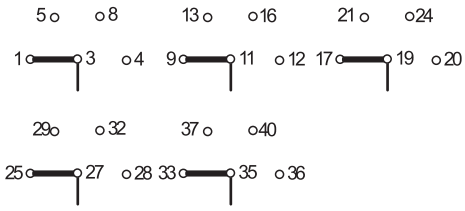
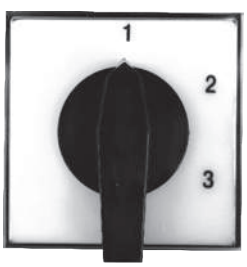
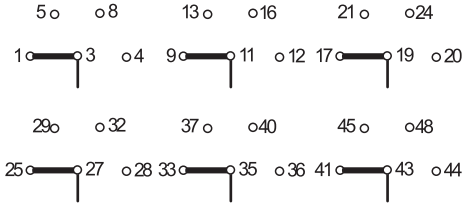
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	3 polna 3 poles		137	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	4 polna 4 poles		147	9	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	5 polna 5 poles		153	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna 6 poles		158	12	30°	GS 10 GS 16 GS 25 GS 40 GS 63
5 stepena 5 steps						
	1 polna 1 pole		110	3 3 3 3 3 3 6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400
	2 polna 2 poles		126	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

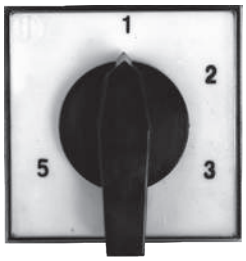
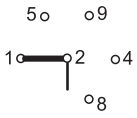
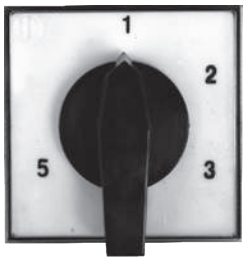
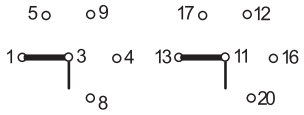
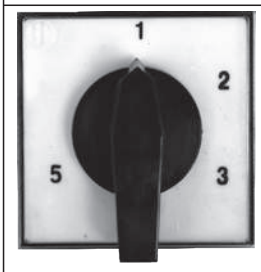
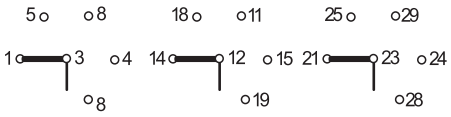
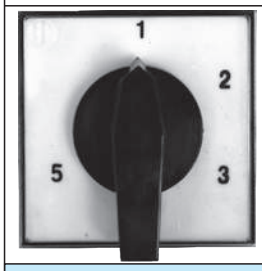
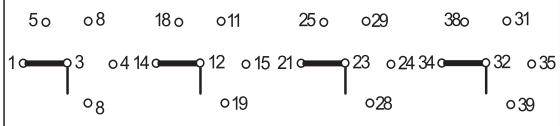
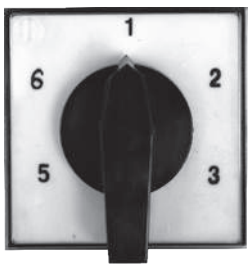
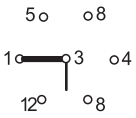
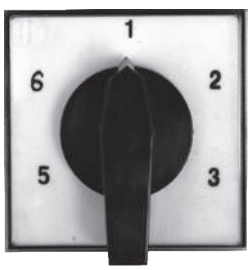
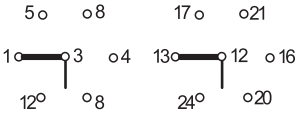
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	3 polna 3 poles		138	8	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	4 polna 4 poles		148	10	30°	GS 10 GS 16 GS 25 GS 40 GS 63
6 stepena 6 steps						
	1 polna 1 pole		111	4	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		127	7	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	3 polna 3 poles		139	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63
7 stepena 7 steps						
	1 polna 1 pole		112	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

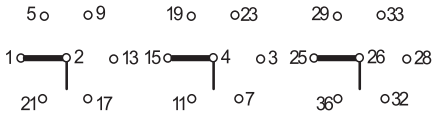
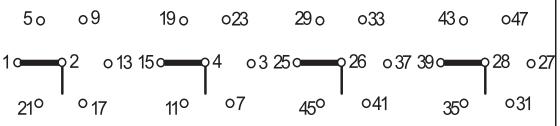
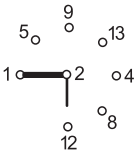
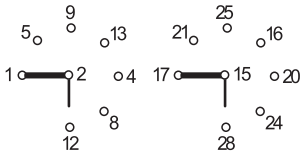
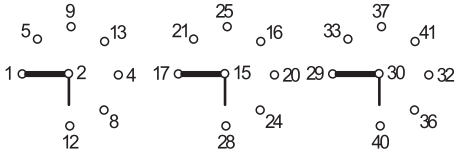
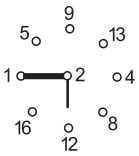
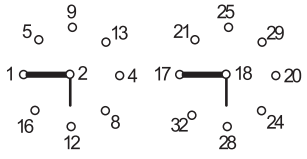
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	2 polna 2 poles		128	8	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	3 polna 3 poles		140	120	30°	GS 10 GS 16 GS 25 GS 40 GS 63
8 stepena 8 steps						
	1 polna 1 pole		113	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		129	9	30°	GS 10 GS 16 GS 25 GS 40 GS 63
9 stepena 9 steps						
	1 polna 1 pole		114	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		130	10	30°	GS 10 GS 16 GS 25 GS 40 GS 63

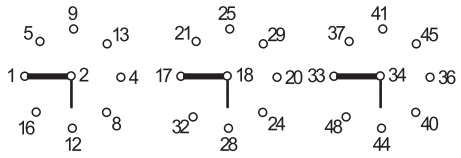
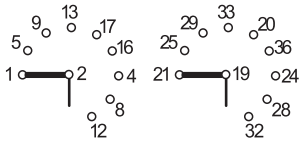
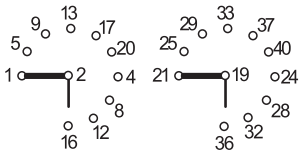
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
		10 stepena 10 steps				
	1 polna 1 pole		115	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		131	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63
		11 stepena 11 steps				
	1 polna 1 pole		116	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		132	12	30°	GS 10 GS 16 GS 25 GS 40 GS 63
STEPENE SKLOPKE BEZ NUL-POLOŽAJA		**STEP SWITCHES WITHOUT OFF POSITION**				
		3 stepena 3 steps				
	1 polna 1 pole		82	2 2 2 2 2 2 2 4 6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		86	3 3 3 3 3 3 3 3 6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400

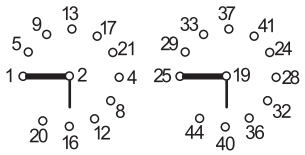
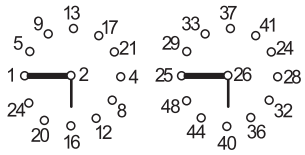
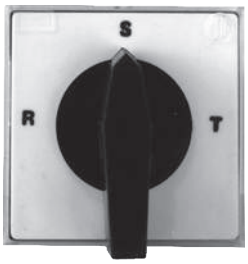
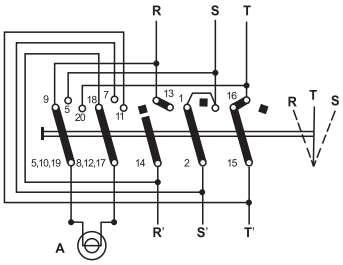
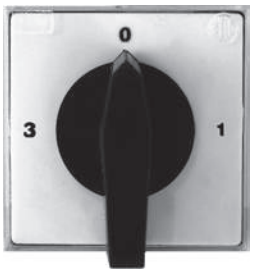
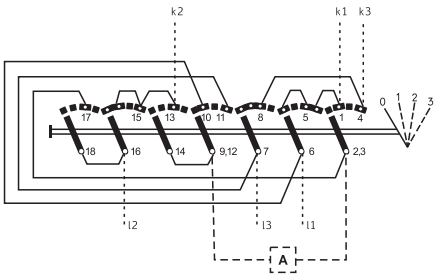
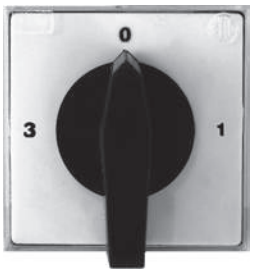
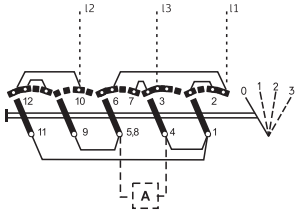
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	3 polna 3 poles		93	5	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	4 polna 4 poles		141	6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	5 polna 5 poles		149	8	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna 6 poles		154	5	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	7 polna 7 poles		159	11	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	8 polna 8 poles		162	12	60°	GS 10 GS 16 GS 25 GS 40 GS 63

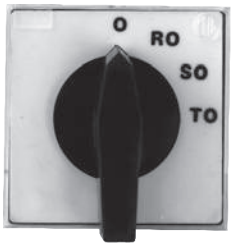
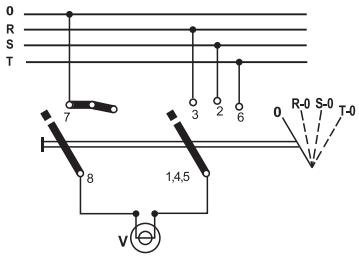
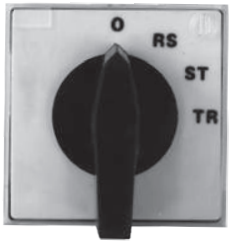
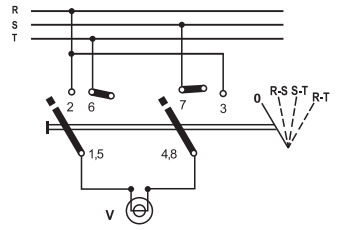
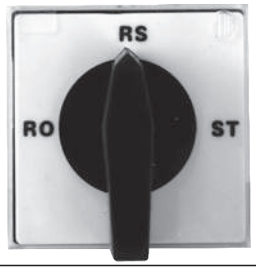
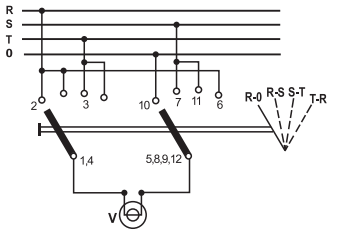
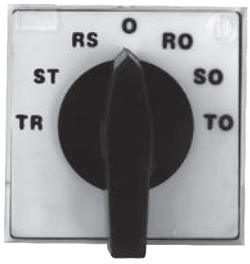
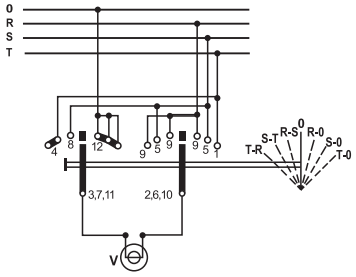
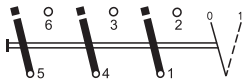
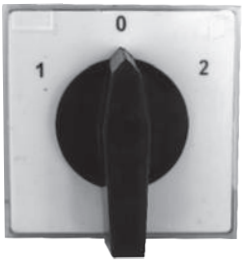
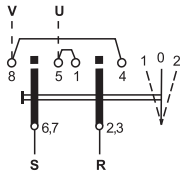
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
4 stepena 4 steps						
	1 polna 1 pole		83	2 2 2 2 2 2 2 4 6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	2 polna 2 poles		87	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	3 polna 3 poles		94	6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	4 polna 4 poles		142	8	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	5 polna 5 poles		150	10	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	6 polna 6 poles		155	12	60°	GS 10 GS 16 GS 25 GS 40 GS 63

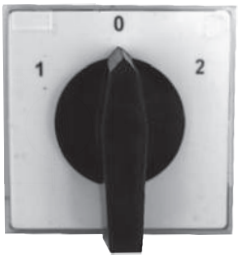
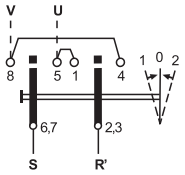
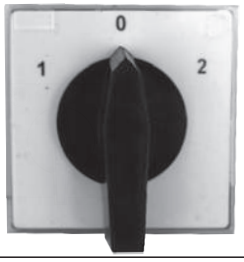
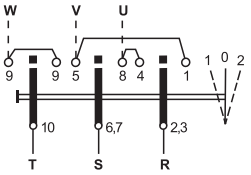
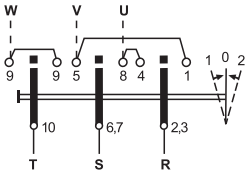
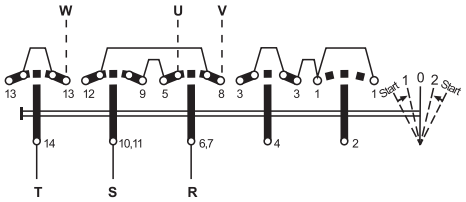
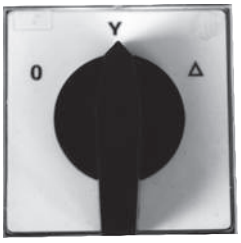
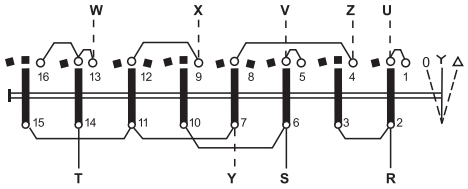
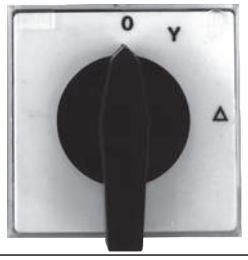
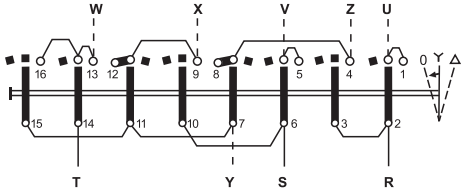
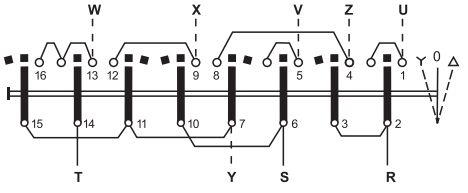
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
5 stepeni 5 steps						
	1 polna 1 pole		84	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		88	5	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	3 polna 3 poles		95	8	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	4 polna 4 poles		143	10	60°	GS 10 GS 16 GS 25 GS 40 GS 63
6 stepeni 6 steps						
	1 polna 1 pole		85	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		89	6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

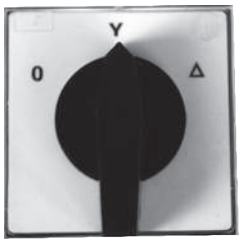
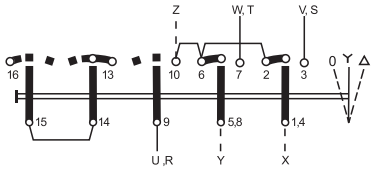
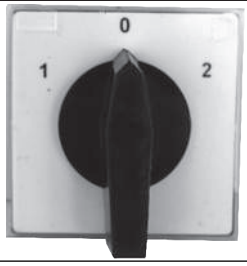
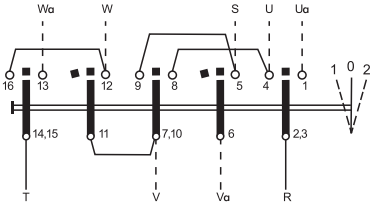
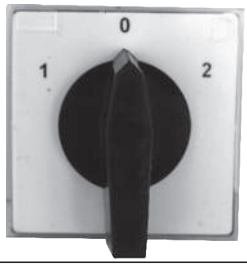
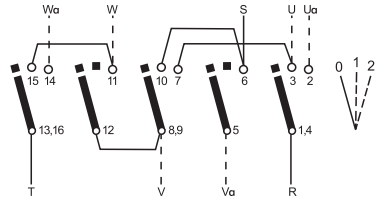
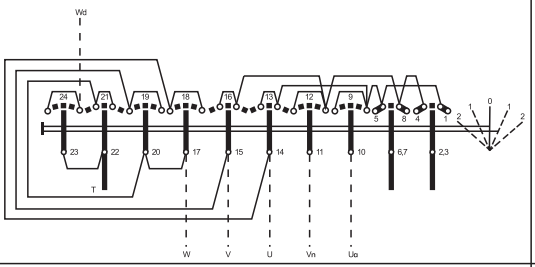
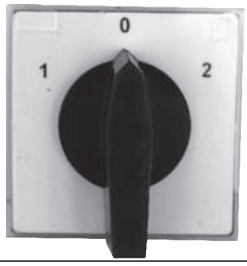
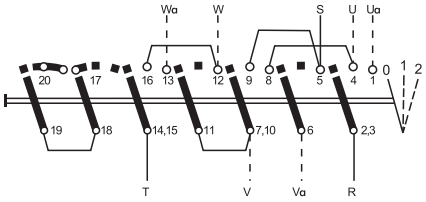
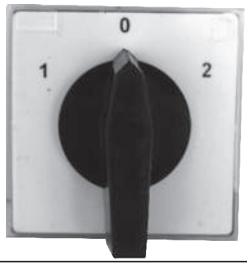
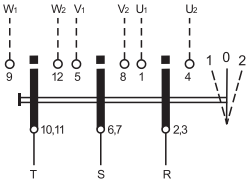
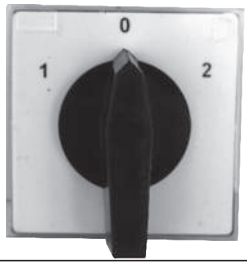
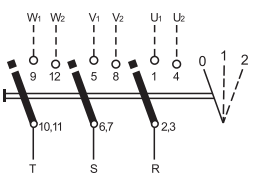
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	3 polna 3 poles		96	9	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	4 polna 4 poles		144	12	60°	GS 10 GS 16 GS 25 GS 40 GS 63
7 stepeni 7 steps						
	1 polna 1 pole		101	4	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		117	7	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
	3 polna 3 poles		133	11	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
8 stepeni 8 steps						
	1 polna 1 pole		102	4	45°	GS 10 GS 16 GS 25 GS 40 GS 63
	2 polna 2 poles		118	8	45°	GS 10 GS 16 GS 25 GS 40 GS 63

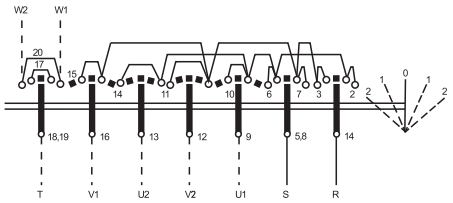
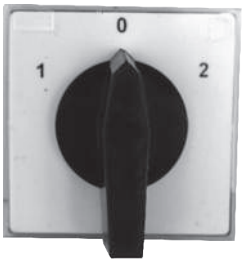
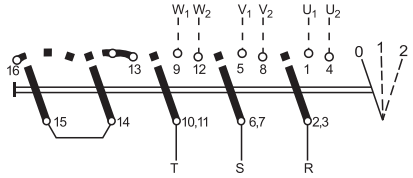
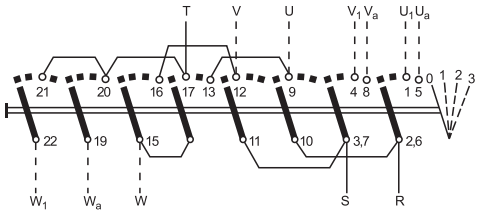
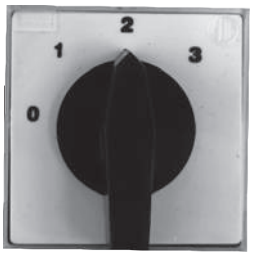
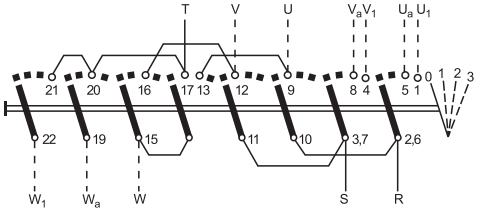
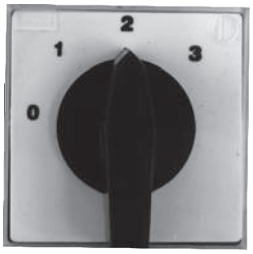
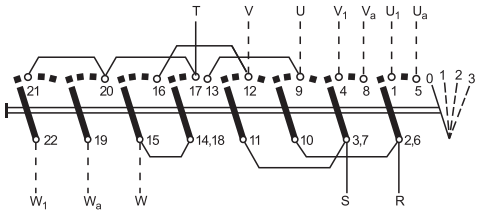
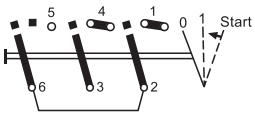
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	3 polna 3 poles		134	12	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
9 stepeni 9 steps						
	1 polna 1 pole		103	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		119	9	30°	GS 10 GS 16 GS 25 GS 40 GS 63
10 stepeni 10 steps						
	1 polna 1 pole		104	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		120	10	30°	GS 10 GS 16 GS 25 GS 40 GS 63
11 stepeni 11 steps						
	1 polna 1 pole		105	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

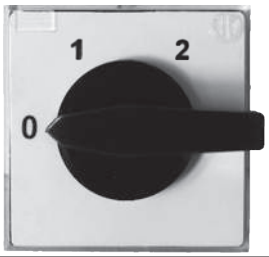
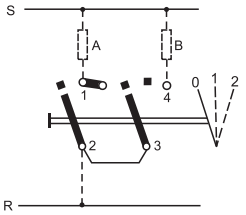
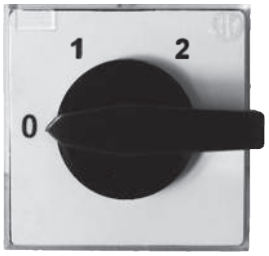
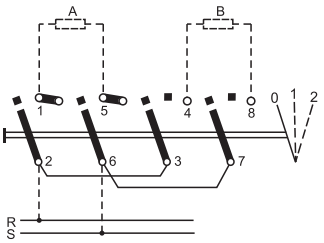
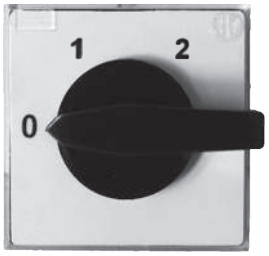
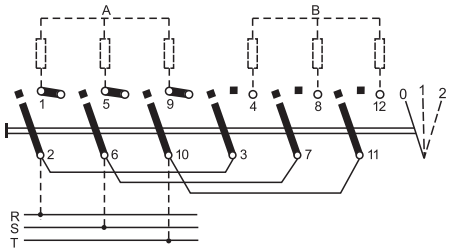
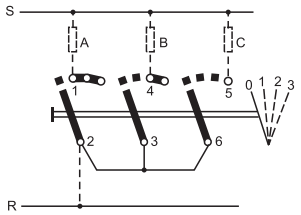
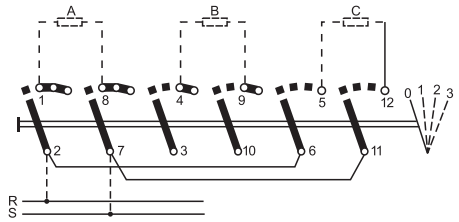
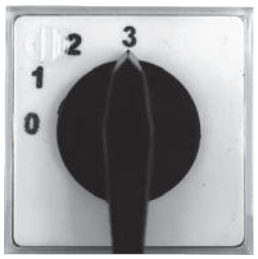
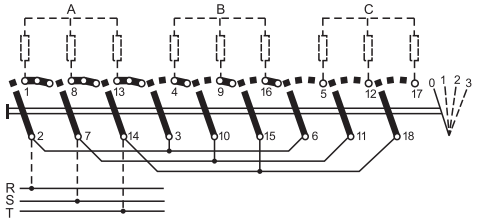
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	2 polna 2 poles		121	11	30°	GS 10 GS 16 GS 25 GS 40 GS 63
12 stepeni 12 steps						
	1 polna 1 pole		106	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	2 polna 2 poles		122	12	30°	GS 10 GS 16 GS 25 GS 40 GS 63
AMPERMETARSKE PREKLOPKE		**AMMETER CHANGE OVER SWITCHES**				
	Za merenje struje u tri faze sa ili bez strujnih transformatora To measure current in 3 phases with or without current transformers		58	5	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	Sa nultim položajem za merenje struje u tri faze sa ili bez strujnih transformatora With off position to measure current in 3 phases with or without current transformers		97	6	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	Sa nultim položajem za merenje struje u tri faze sa strujnm transformatorom With off position to measure current in 3 phases with current transformer		98	4	90°	GS 10 GS 16 GS 25 GS 40 GS 63

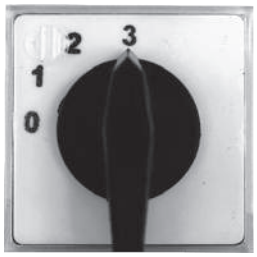
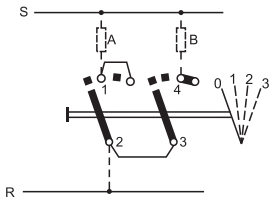
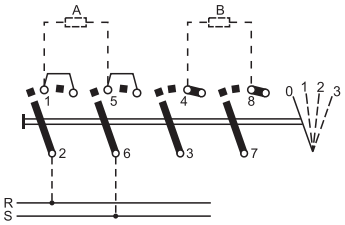
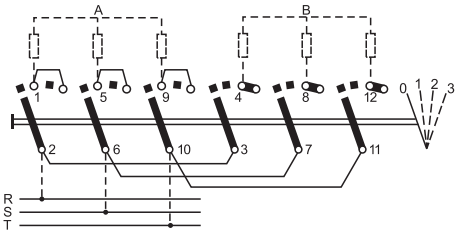
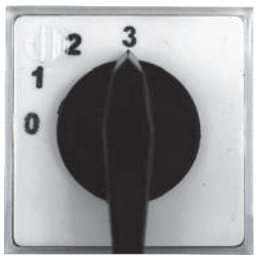
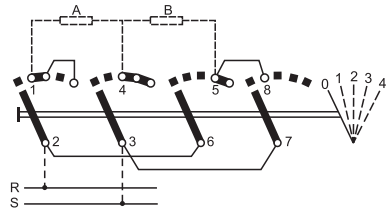
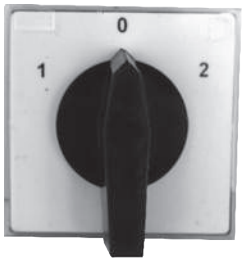
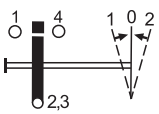
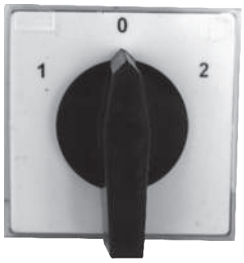
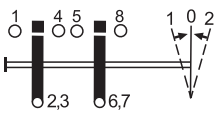
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
VOLTMETARSKE PREKLOPKE		**VOLTMETER CHANGE OVER SWITCHES**				
	Za merenje faznih napona To measure phase voltages		68	2	30°	GS 10 GS 16 GS 25
	Za merenje linijskih napona To measure line voltage		67	2	30°	GS 10 GS 16 GS 25
	Za merenje jednog faznog i tri linijska napona To measure 1 phase voltage and 3 line voltages		60	3	90°	GS 10 GS 16 GS 25
	Za merenje faznih i linijskih napona To measure phase and line voltages		66	3	30°	GS 10 GS 16 GS 25
SKLPKE ZA MOTORE		**MOTOR SWITCHES**				
	3-polna sklopka 3-poles switch		10	2 2 2 2 2 2 2 4 6	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200 GS 400 GS 630
	Reverziona preklopka, 2 polna 2-pole reversing switch		24	2	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

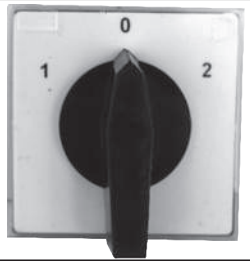
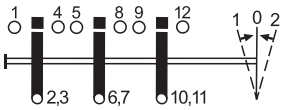
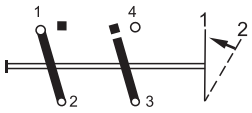
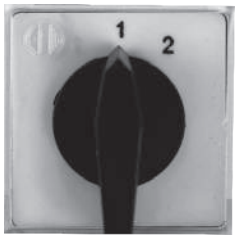
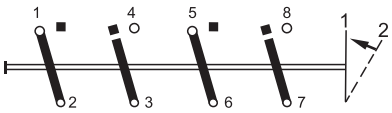
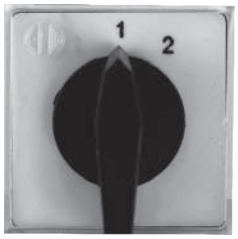
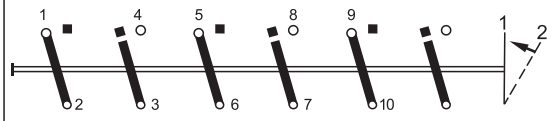
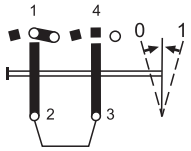
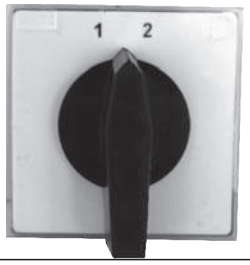
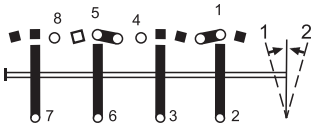
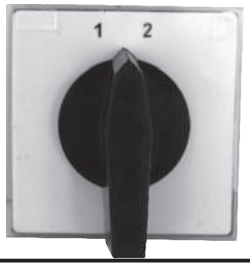
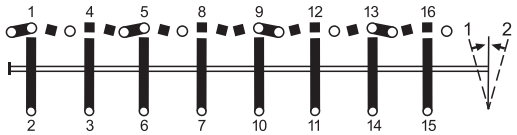
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	Reverziona preklopka, 2 polna povrat u položaj 0 2-pole reversing switch, return to 0		25	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Reverziona preklopka, 3 polna 3-pole reversing switch,		11	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Reverziona preklopka, 3 polna povrat u položaj 0 3-pole reversing switch, return to 0		26	3	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Reverziona preklopka, 3 polna za kombinaciju sa sklopnikom. Povrat iz položaja Start u 1 i 2 (šema delovanja, str.30) 3-pole reversing switch for combination with contactor Return from Start to 1 and 2 (see diagram, p.30)		27	5	90° + 30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopnik zvezda - trougao Star-delta switch		12	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Preklopka zvezda - trougao povrat iz Y na 0 Star-delta switch return from Y to 0		28	4	30° + 60°	GS 16 GS 25
	Preklopka zvezda - trougao kao naponska preklopka Star-delta switch as voltage switch		30	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zakreta Switching angle	Tip sklopke Switch type
	Preklopka zvezda-trougao za kombinaciju sa sklopnikom (šema delovanja, str.30) Star-delta switch for combination with contactor (see diagram p.30)		31	4	90°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore u Dahlanderovom spoju, 2 brzine Δ- 0 -ϒϒ Motor switch with Dahlander connection, 2 speed Δ- 0 -ϒϒ		13	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore u Dahlanderovom spoju, 2 brzine 0 -Δ - ϒϒ Motor switch with Dahlander connection, 2 speed 0 -Δ - ϒϒ		19	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore u Dahlanderovom spoju, 2 brzine, 2 smera okretanja ϒϒ - Δ - 0 - Δ - ϒϒ Motor switch with Dahlander connection, 2 speeds 2 rotary directions ϒϒ - Δ - 0 - Δ - ϒϒ		20	6	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore u Dahlanderovom spoju, za kombinaciju sa sklopnikom (šema delovanja, str.30) 0 -Δ - ϒϒ Motor switch with Dahlander connection for combination with contactor (see diagram p. 30) 0 -Δ - ϒϒ		32	5	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore sa odvojenim namotom 2 namota / 2 brzine (zvezda ili trougao) Motor switch with separated winding, 2 windings / 2 speed (star or delta)		53	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Preklopka za motore sa odvojenim namotom 2 namota / 2 brzine (zvezda ili trougao) Motor switch with separated winding, 2 windings / 2 speed (star or delta)		22	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

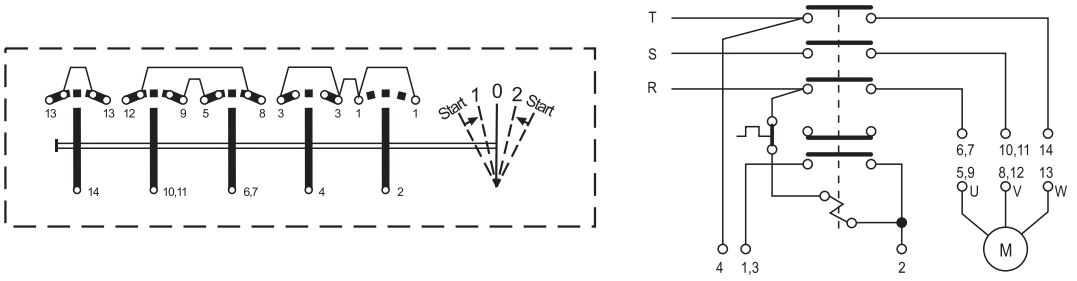
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	Preklopka za motore sa odvojenim namotom 2 namota, 2 brzine, 2 smera okretanja (zvezda ili trougao) Motor switch with separated winding, 2 windings, 2 speeds, 2 rotary directions, (star or delta)		23	5	30° 60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Preklopka za motore sa odvojenim namotom 2 namota, 2 brzine za kombinaciju sa sklopnikom (šema delovanja, str.30) Motor switch with separated winding, 2 windings, 2 speeds, for combination with contactor (see diagram p.30)		33	4	60°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore s 3 brzine, 2 namota 0 - Δ - Y - YY (1 I 3 brzina, Dahlanderov spoj) Motor switch, 3 speeds, 2 windings 0 - Δ - Y - YY Speeds 1 and 3, Dahlander connection		34	6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore s 3 brzine, 2 namota 0 - Δ - YY - Y (1 I 2 brzina, Dahlanderov spoj) Motor switch, 3 speeds, 2 windings 0 - Δ - YY - Y Speeds 1 and 2, Dahlander connection		35	6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
	Preklopka za motore s 3 brzine, 2 namota 0 - Y - Δ - YY (2 i 3 brzina, Dahlanderov spoj) Motor switches 3 speeds, 2 windings 0 - Y - Δ - YY Speeds 2 and 3, Dahlander connection		36	6	30° 45°	GS 10 GS 16 GS 25 GS 40 GS 63
	Sklopka za jednofazne motore Switch for single-phase motors		15	2	90° + 30°	GS 10 GS 16 GS 25

Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
GRUPNE SKLOPKE						GANG SWITCHES
	Grupna sklopka 2 grupe, 1 polna 0, A, A+B Gang switch 2 gang, 1 pole 0, A, A+B		251	1	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Grupna sklopka 2 grupe, 2 polna 0, A, A+B Gang switch 2 gang, 2 poles 0, A, A+B		252	2	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Grupna sklopka 2 grupe, 3 polna 0, A, A+B Gang switch 2 gang, 3 poles 0, A, A+B		253	3	60°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Grupna sklopka 3 grupe, 1 polna 0, A, A+B, A+B+C Gang switch 3 gang, 1 pole 0, A, A+B, A+B+C		254	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Grupna sklopka 3 grupe, 2 polna 0, A, A+B, A+B+C Gang switch 3 gang, 2 poles 0, A, A+B, A+B+C		255	3	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Grupna sklopka 3 grupe, 3 polna 0, A, A+B, A+B+C Gang switch 3 gang, 3 poles 0, A, A+B, A+B+C		256	5	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200

Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	Serijsko-grupna sklopka 2 grupe, 1 polna 0, A, B, A+B Serial-group switch 2 gang, 1 pole 0, A, B, A+B		257	1	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Serijsko-grupna sklopka 2 grupe, 2 polna 0, A, B, A+B Serial-group switch 2 gang, 2 poles 0, A, B, A+B		258	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Serijsko-grupna sklopka 2 grupe, 3 polna 0, A, B, A+B Serial-group switch 2 gang, 3 poles 0, A, B, A+B		259	3	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
	Serijsko-paralelna sklopka 2 grupe, 2 polna 0. A+B serijski A, B, A+B paralelno Serial-parallel switch 2 gang, 3 poles 0. A+B serial, A, B, A+B parallel		260	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63 GS 100 GS 200
KONTROLNE SKLOPKE I SKLOPKE SA POVRATOM		CONTROL SWITCHES AND SWITCHES SPRING RETURN				
	Sa po jednim uključenim kontaktom kod zaokreta levo i desno sa povratkom u “0” 1 make contact left and right with spring return to “0”		201	1	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Sa po dva uključena kontakta kod zaokreta levo i desno sa povratkom u “0” 2 make contacts left and right with spring return to “0”		202	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63

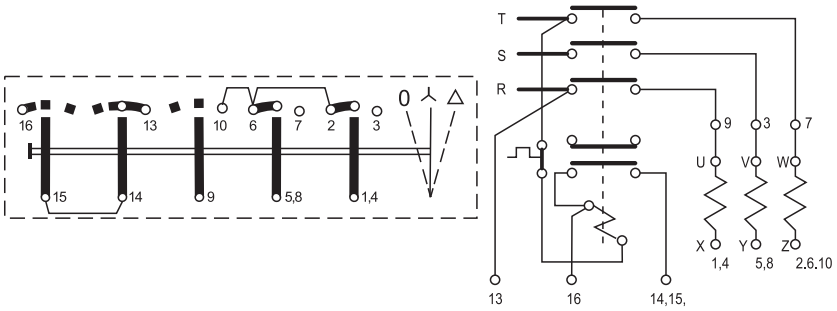
Čeona ploča Front plate	Opis i primena Description and utilization	Šema spoja Connection diagram	Broj šeme Diagram No.	Br.elemenata No.of elements	Ugao zaokreta Switching angle	Tip sklopke Switch type
	Sa po tri uključena kontakta kod zaokreta levo i desno sa povratkom u “0” 3 make contacts left and right with spring return to “0”		203	3	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	S jednim uključenim i jednim isključenim kontaktom 1 make and 1 break contact		204	1	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Sa dva uključena i dva isključena kontakta 2 make and 2 break contacts		205	2	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	S tri uključena i tri isključena kontakta 3 make and 3 break contacts		206	3	30°	GS 10 GS 16 GS 25 GS 40 GS 63
	Za upravljanje kontaktorom 1 kontakt uključen desno 1 kontakt isključen levo To control contactors by 1 make contact right and 1 break contact left		207	1	30°	GS 10 GS 16 GS 25
	1 uključen i 1 isključen - llevo 1 uključen i 1 isključen - desno 1 break and 1 make contact left 1 break and 1 make contact right		208	2	30°	GS 10 GS 16 GS 25
	2 uključena i 2 isključena - levo 2 uključena i 2 isključena - desno 2 make and 2 break contacts left 2 make and 2 break contacts right		209	4	30°	GS 10 GS 16 GS 25

ŠEME DELOVANJA — CIRCUIT DIAGRAMS



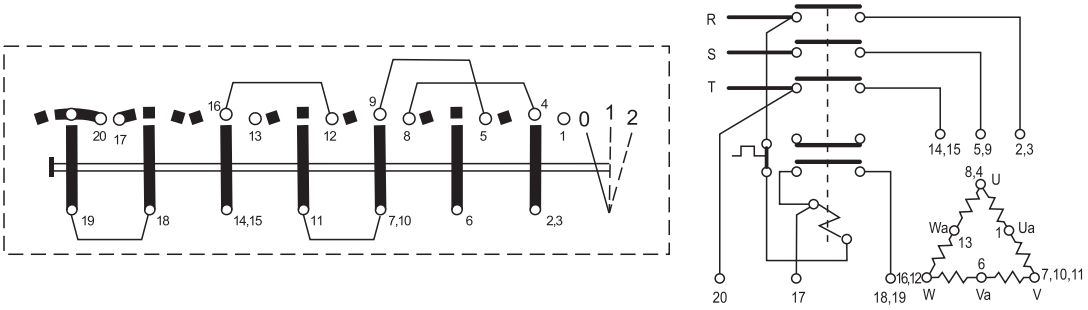
3 polna reverziona preklopka za kombinaciju sa sklopnikom, povrat iz položaja Start u 1 i 2 (šema 27)

3 pole reversing switch for combination with contactor, return from Start to 1 and 2 (diagram 27)



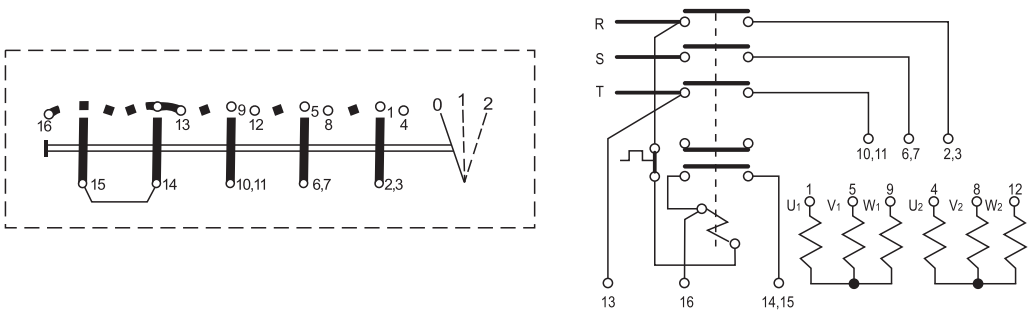
Preklopka zvezda - trougao za kombinaciju sa sklopnikom (šema 31)

Star-delta switch for combination with contactor (diagram 31)



Preklopka za motore u Dahlanderovom spoju za kombinaciju sa sklopnikom (šema 32)

Motor switch with Dahlander connection for combination with contactor (diagram 32)



Preklopka za motore sa odvojenim namotom: 2 namota, 2brzine za kombinaciju sa sklopnikom (šema 33)

Motor switch with separated winding, 2 speeds for combination with contactor (diagram 33)

TEHNIČKI PODACI — TECHNICAL DATA

IEC 947-1/947-3				Tip / Type								
				GS10	GS16	GS25	GS40	GS63	GS100	GS200	GS400	GS630
	Nazivni napon izolacije Rated insulation voltage	Ui	V	380	660	660	660	660	660	660	660	660
	Nazivna termička struja Rated thermal current	Ith	A	10	16	25	50	63	125	200	400	630
Zaštita od kratkog spoja 6 KAeff Short circuit protection 6 KAeff	Najveća nazivna struja tromih osigurača velike prekidne moći Max. rated current of HRC slow action fuses		A	10	16	25	50	63	125	250	400	630
Priključak Terminal	Vijak Screw			M3	M4	M4	M5	M5	2XM6	M10	M12	M16
	Presek priključnog voda Max.cross section of conductor		mm^2	2X1.5	2X2.5	2X4	2X10	2X10	50	95	□ 1)	□ 2)
	Kratkotrajna opterećenost, 1 sek. Short time load, 1 sec.		A	200	320	500	800	1260	2000	-	-	-
3 x 380V ~	AC 21		kW	9	10	15	24	39	63	125	260	400
	AC 22 AC 2	AC 23 AC 3	kW	5	7.5	11	18.5	22	30	30	30	30
	AC 4		kW	3	5.5	7.5	11	15	18.5	-	-	-
	AC 11		A	3.5	10	15	-	-	-	-	-	-

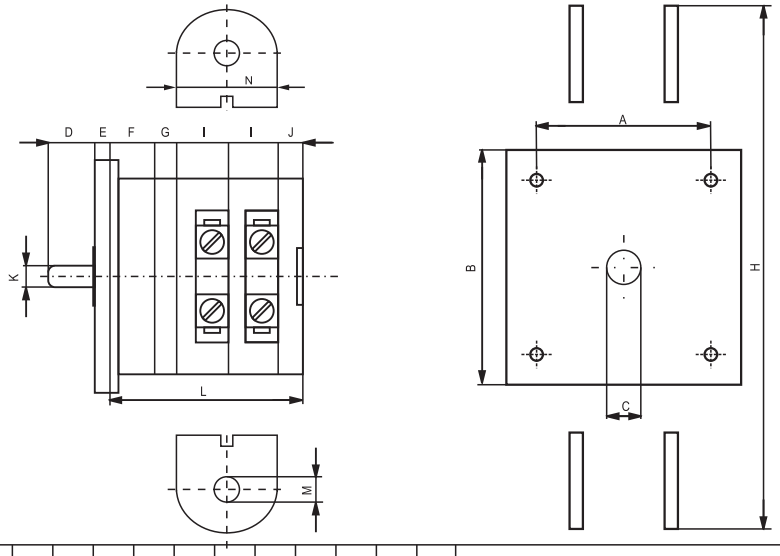
1) Max. širina = 45 mm 2) Max. širina = 75 mm
1) Max. width = 45 mm 2) Max. width = 75 mm

TEŽINE (kg) — WEIGHTS (kg)

Grupa Group	Tip Type	Broj elemenata L/mm / No. of elemnts L/mm											
		1	2	3	4	5	6	7	8	9	10	11	12
Art.201	GS-10	0.05	0.08	0.09	0.10	0.11	0.13	0.14	0.15	0.16	0.18	0.20	0.22
Art.202	GS-16	0.13	0.17	0.20	0.25	0.30	0.35	0.40	0.45	0.5	0.55	0.60	0.65
	GS-25	0.13	0.17	0.20	0.25	0.30	0.35	0.40	0.45	0.5	0.55	0.60	0.65
Art.203	GS-40	0.30	0.40	0.50	0.60	0.70	0.85	0.95	1.05	1.15	1.25	1.35	1.45
	GS-63	0.30	0.40	0.50	0.60	0.70	0.85	0.95	1.05	1.15	1.25	1.35	1.45
Art.204	GS-100	1.10	1.50	1.95	2.40	2.90	3.40	-	-	-	-	-	-
	GS-200	1.35	1.90	2.40	2.90	3.50	4.00	-	-	-	-	-	-
	GS-400	-	1.80	-	3.10	-	4.30	-	-	-	-	-	-
	GS-630	-	-	2.80	-	-	4.90	-	-	-	-	-	-

DIMENZIJE — DIMENSIONS

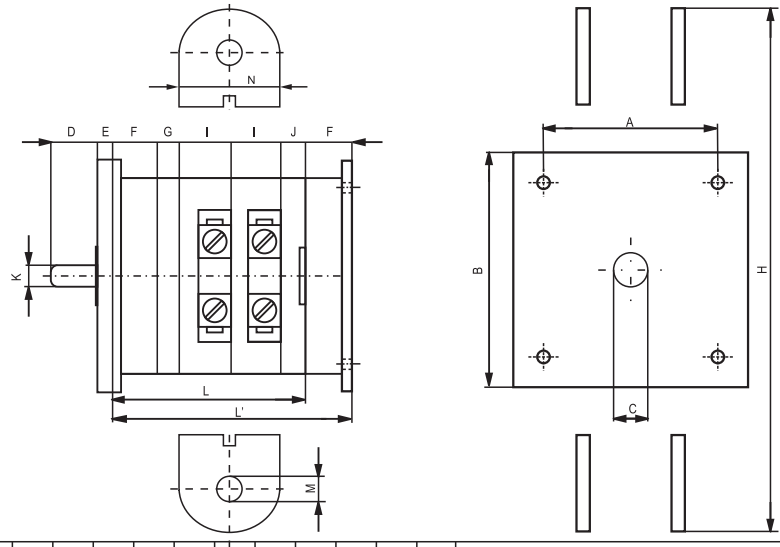
UGRADNA SKLOPKA U — FLUSH MOUBTING SWITCH U



Grupa Group	Tip Type	A	B	C	D	E	F	G	H	I	J	K	M	N
Art.201	GS-10	36	48	10	15	5.5	8.8	5	-	10	5	4	-	-
Art.202	GS-16	48	64	11	18	5.5	13.5	6	-	13.5	6	6	-	-
	GS-25	48	64	11	18	5.5	13.5	6	-	13.5	6	6	-	-
Art.203	GS-40	73	91	15.5	28	7.5	17.5	8	-	18.4	8.5	8	-	-
	GS-63	73	91	15.5	28	7.5	17.5	8	-	18.4	8.5	8	-	-
Art.204	GS-100	102	130	19	30	9.7	19	8.8	-	30	17	10	-	-
	GS-200	102	130	19	30	9.7	19	8.8	145	30	17	10	10.5	20
	GS-400	102	130	19	30	9.7	19	8.8	170	30	17	10	13.5	45
	GS-630	102	130	19	30	9.7	19	8.8	190	30	17	10	17.5	74

Broj elemenata L/mm — No. of elements L/mm											
1	2	3	4	5	6	7	8	9	10	11	12
28.8	38.8	48.8	58.8	68.8	78.8	88.8	98.8	108.8	118.8	128.8	138.8
39	52.5	66	79.5	93	106.5	120	133.5	147	160.5	174	187.5
39	52.5	66	79.5	93	106.5	120	133.5	147	160.5	174	187.5
52.4	70.8	89.2	107.6	126	144.4	162.8	181.2	199.6	218	236.4	254.8
52.4	70.8	89.2	107.6	126	144.4	162.8	181.2	199.6	218	236.4	254.8
74.8	104.8	134.8	164.8	194.8	224.8	-	-	-	-	-	-
74.8	104.8	134.8	164.8	194.8	224.8	-	-	-	-	-	-
-	104.8	-	164.8	-	224.8	-	-	-	-	-	-
-	-	134.8	-	-	224.8	-	-	-	-	-	-

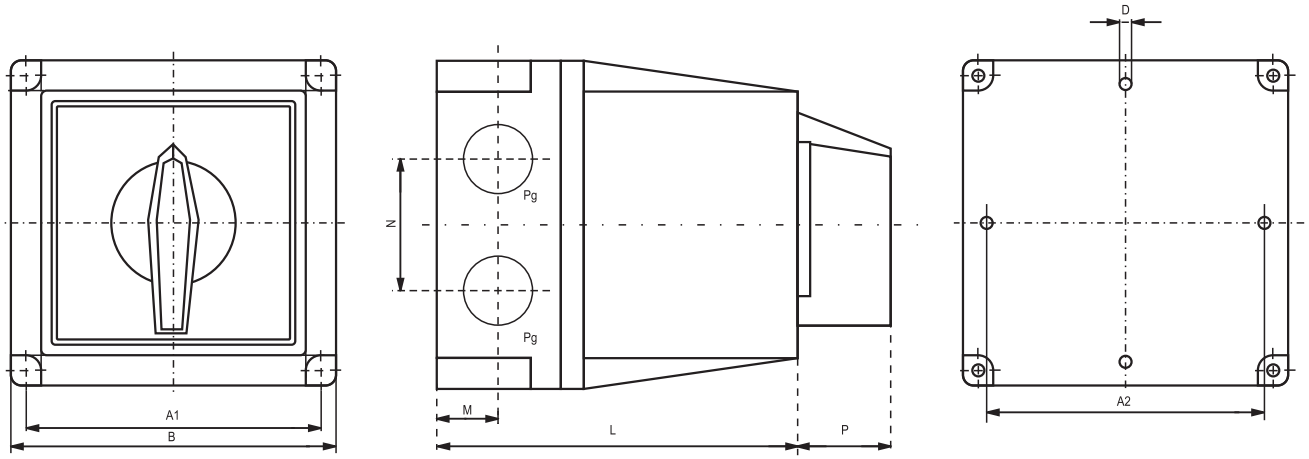
SKLOPKA ZA ODVOJENU UGRADNJU OU — SWITCH FOR SEPARATE MOUNTING OU



Grupa Group	Tip Type	A	B	C	D	E	F	G	H	I	J	K	M	N
Art.201	GS-10	36	48	10	15	5.5	8.8	5	-	10	5	4	-	-
Art.202	GS-16	48	64	11	18	5.5	13.5	6	-	13.5	6	6	-	-
	GS-25	48	64	11	18	5.5	13.5	6	-	13.5	6	6	-	-
Art.203	GS-40	73	91	15.5	28	7.5	17.5	8	-	18.4	8.5	8	-	-
	GS-63	73	91	15.5	28	7.5	17.5	8	-	18.4	8.5	8	-	-
Art.204	GS-100	102	130	19	30	9.7	19	8.8	-	30	17	10	-	-
	GS-200	102	130	19	30	9.7	19	8.8	145	30	17	10	10.5	20
	GS-400	102	130	19	30	9.7	19	8.8	170	30	17	10	13.5	45
	GS-630	102	130	19	30	9.7	19	8.8	190	30	17	10	17.5	74

Broj elemenata L/mm — No. of elements L/mm											
1	2	3	4	5	6	7	8	9	10	11	12
37.6	47.6	57.6	67.6	77.6	87.6	97.6	107.6	117.6	127.6	137.6	147.6
52.5	66	79.5	93	106.5	120	133.5	147	160.5	174	187.5	201
52.5	66	79.5	93	106.5	120	133.5	147	160.5	147	187.5	201
69.5	88.3	106.7	125.1	143.5	161.9	180.3	198.7	217.1	235.5	253.9	272.3
69.5	88.3	106.7	125.1	143.5	161.9	180.3	198.7	217.1	235.5	253.9	272.3
93.8	123.8	153.8	183.8	213.8	243.8	-	-	-	-	-	-
93.8	123.8	153.8	183.8	213.8	243.8	-	-	-	-	-	-
-	123.8	-	183.8	-	234.8	-	-	-	-	-	-
-	-	153.8	-	-	243.8	-	-	-	-	-	-

PLASTIČNO KUĆIŠTE PK — PLASTIC CASING PK

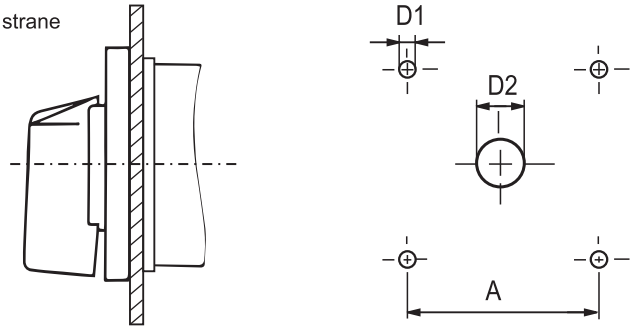


Grupa Group	D ∅	A1 □	A2 □	B □	M	N	P	Pg	Broj elemenata No. of elements L/mm		
									1	2	3
Art.201	3	77.8	72	86	14.5	35	25	11	95.5	95.5	95.5
Art.202	4	110	102	120	23	50	33.5	16	126.5	126.5	126.5

PODACI ZA MONTIRANJE UGRADNE SKLOPKE — DRILING PLAN FOR FLUSH MOUNTING SWITCH

Ugradnja sa zadnje strane

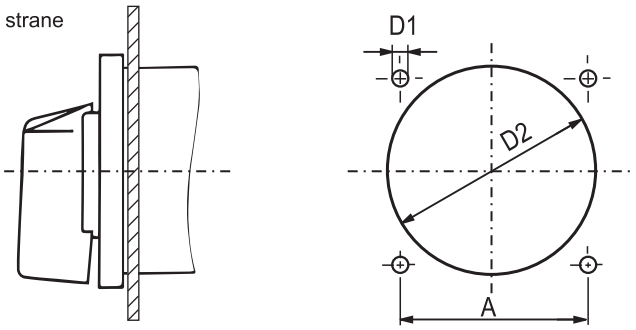
Back mounting



Grupa Group	D_1 ∅	D_2 ∅	A □
Art.201	5	10	36
Art.202	5	12	48
Art.203	6	16	73
Art.204	6	18	102

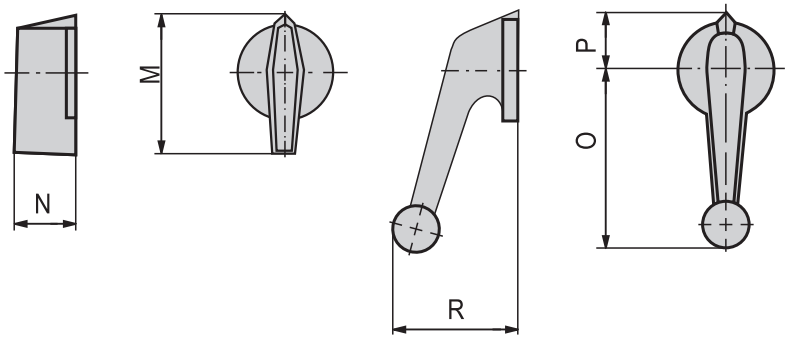
Ugradnja sa prednje strane

Front mounting



Grupa Group	D_1 ∅	D_2 ∅	A □
Art.201	5	38	36
Art.202	5	58	48
Art.203	6	81	73
Art.204	6	-	102

RUČICE — HANDLES

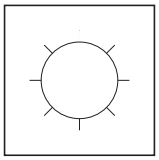


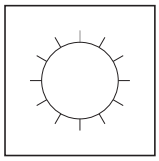
Grupa Group	M	N	O	P	R
Art.201	40	18	-	-	-
Art.202	54	25	65	18	45
Art.203	74	33.5	98	23	65
Art.204	110	47	120	39	85

NARUDŽBENI LIST ORDER FORM

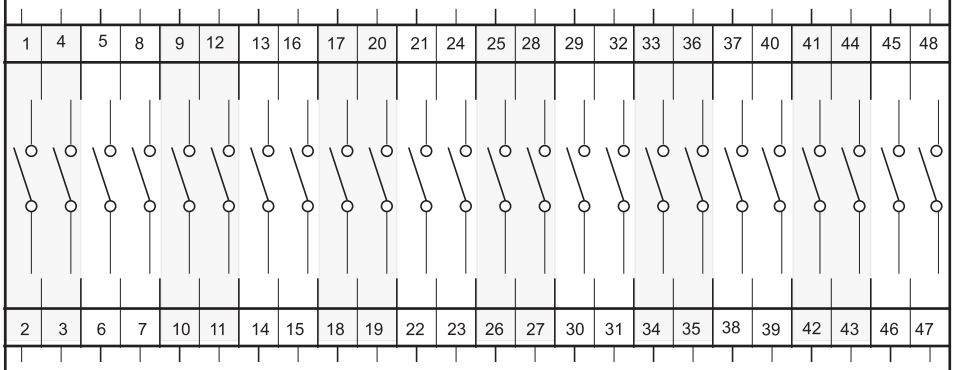
Nazivni napon Rated voltage	V	Tip sklopke Type of switch	GS	Oblik ugradnje Mounting form		Broj šeme Diagram No	
Nazivna struja Rated current	A	Kategorija primene Utilization category	AC	Tip ručice Type of handle	R	Posebna izvedba Special version	S

Raspored oznaka polužaja na čeonoj ploči
Position marks on front panle



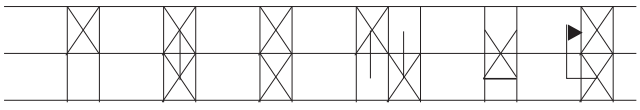


Šema spoja:
Connection diagram:



Oznaka položaja sklopke na čeonoj ploči
Arragement of position on front panel

Napomena:
Note:



ELEKTROINDUSTIRJA ELID DOO
8242 Donji Dušnik - Srbija
(+381 18) 867-010, 867-243
elid.ddusnik@gmail.com
www.elid.co.rs

Naručilac
Purchaser _____

Adresa
Adress

Datum
Date

Plastično kućište PK
Plastic casing PK
Art.203PK
120x120x126,5mm

Plastično kućište PK
Plastic casing PK
Art.202PK
86x86x95.5mm

Plastično kućište PK
Plastic casing PK
Art.201PK
70x70x80mm

Ručice
Handles
Art.201

PROIZVODNI PROGRAM PRODUCT PROGRAMME

SKLOPKE I PRIKLJUČNICE	SWITCHES AND SOCKETS
PRIKLJUČNI GAJTANI, UTIKAČI I NATIKAČI	CONNECTING CORDS, PUUGS AND SOCKETS
PRENOSNE PRIKLJUČNICE I NAMOTAČI KABLOVA	PORTABLE SOCKETS AND CABLE REELS
ELEKTRIČNA ZVONA, GONGOVI I TRANSFORMATORI	ELECTRICAL BELLS, GONGS AND TRANSFORMERS
SIJALIČNA GRLA	LAMPHOLDERS
METALNI KABLOVSKI SPOJNI ELEMENTI	METALLIC CABLE COUPLING ELEMENTS
ELEKTROINSTALACIONI PRIBOR ZA UGRADNJU I MONTAŽU	ELECTROACCESSORIES FOR BUILDING AND MOUNTING
GREBENASTE SKLOPKE	CAM SWITCHES

ELEKTROINDUSTRIJA
ELID D.O.O.
18242 Donji Dušnik - Srbija

Centrala/fax:
(+381 18) 867-010, 867-242

Direktor:	867-010
Komercijala:	867-243
Finans. sektor:	867-067

elid.ddusnik@gmail.com
www.elid.co.rs

SEPTEMBAR 2016