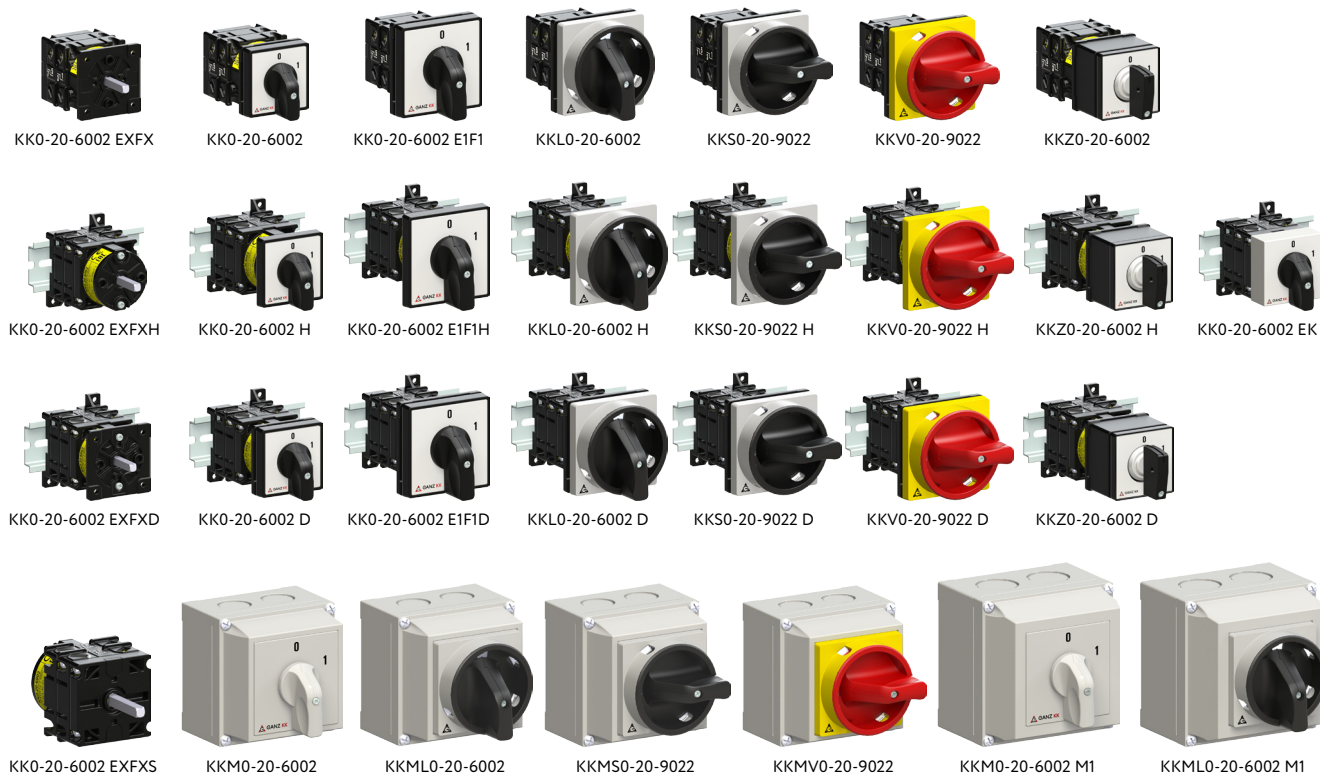




Structure of order-code

Type-sign **KK E L 2 - 115 - 6002**

Degree of protection
without letter: IP 44 front
E: IP 65 front
M: plastic enclosure

Version
without letter: operation by handle
Z: lockable
L: padlockable
S: switch-disconnector
V: with emergency stop

Size		Thermal current [A]
0	-	20
1	-	32
2	-	40
2	-	63
2	-	80
2	-	115

Number of switching program
First number shows the switching angle:
3 → 30°; 4 → 45°; 6 → 60°; 9 → 90°

Addition of type-sign **M1 C EX FX N T H**
(there is not at basic versions)

Increased enclosure
M1: KK0 built in enclosure of KK1
M2: KK1 built in enclosure of KK2

Legend plate

Special front plate
EX: without front plate
E0: with front plate of KK0, □ 48 mm
E1: with front plate of KK1, □ 64 mm
E2: with front plate of KK2, □ 88 mm
EK: for distribution board installation (45 mm)

Special handle
FX: without handle
F0: with handle of KK0
F1: with handle of KK1
F2: with handle of KK2
P: red handle and yellow frontplate

Returning control operation

Door coupling (at KK2 only)

Mounting
H: rear
V: with two screws (distance between the holes: 30 mm)
S: mountable in enclosure
D: front and rear

Switching programs

Front plate	Description	Size	Switching program No.	Number of contacts	Number of chambers ^{*)}	Connection diagram
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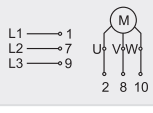
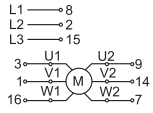
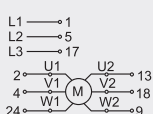
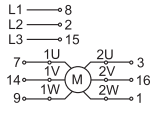
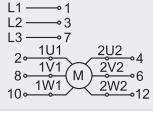
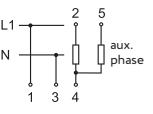
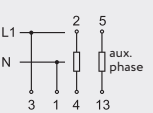
ON-OFF switches

	2 Pole	0 1 2	6001	2	1	
	3 Pole	0 1 2	6002	3	2	
	4 Pole	0	6044	4	2	
		1	6042	4	2	
		2	6096	4	2	
	3 Pole	0 1 2	9002	3	2	

Switch-disconnectors, emergency-stop switches

	3 Pole	0 1 2	9022	3	2	
	4 Pole	0 1 2	9021	4	2	

Motor (starter) switches

	reversing	0 1 2	6008	5	3	
	star-delta change over	0 1 2	6009	8	4	
	star-delta change-over for two rotating directions	0 1 2	6492 6184 6092	10 10 10	6 6 6	
	for Dahlander motors, for two number of revolution	0 1 2	6013	8	4	
	two positions, one rotating direction for separate winded motors	0 1 2	6016	6	3	
	with one phase and one auxiliary phase for one rotating direction, returning	0 1	0493 0185	3 3	2 2	
	with one phase and one auxiliary phase for two rotating directions, returning from two directions	0 1	0494 0186	6 6	5 5	

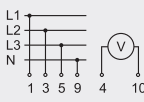
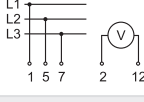
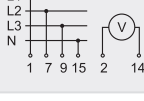
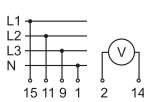
Returning control operators

	ON returning	0 1	0477 0166	1 1	1 1	
	OFF returning	0 1	0478 0167	1 1	1 1	
	ON - OFF returning from two directions	0 1	0479 0168	2 2	1 1	

Change-over switches

	2 Pole	0	6066	4	2	
	1 Pole	0	6043	6	6	
	1 Pole	0 1	6037	6	3	

Voltmeter change-over switches

	for 3 phase voltage	0 1	4032	4	2	
	for 3 line voltage	0 1	4033	4	2	
	for 3 line voltage and for 3 phase voltage	0 1	4036	8	4	
	for 3 line voltage and for 3 phase voltage without "0" position	0 1	6036	8	4	

Amperemeter change-over switch

	1 amperemeter 3 current transformer	0	9519	6	4	
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^{*)} At KK2-115 type number of chambers is twofold of the given value (it is possible max. 5 chambers)

More technical data in the catalogue „ROTARY SWITCHES“

Switching programs

Front plate	Description	Size	Switching program No.	Number of contacts	Number of chambers ^a	Connection diagram
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Change-over switches with "0" position

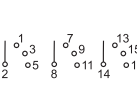
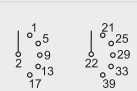
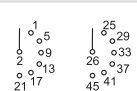
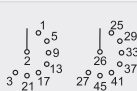
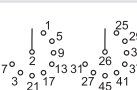
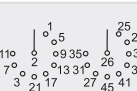
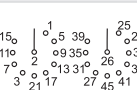
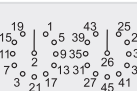
	1 Pole	0	6426	2	1	
		1	6169	2	1	
		2	6094	2	1	
	2 Pole	0	6005	4	2	
		1	6006	6	3	
	3 Pole	0	6432	8	4	
		1	6129	8	4	
	4 Pole	1	6129	8	4	
		2	6099	8	4	

Front plate	Description	Size	Switching program No.	Number of contacts	Number of chambers ^a	Connection diagram
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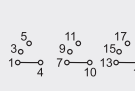
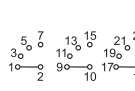
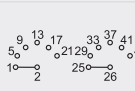
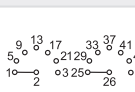
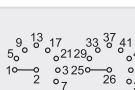
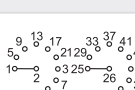
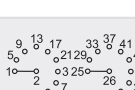
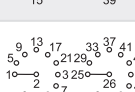
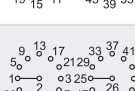
Change-over switches without "0" position

	1 Pole	0	6476	2	1	
		1	6170	2	1	
		2	6093	2	1	
	2 Pole	0	6003	4	2	
		1	6004	6	3	
	3 Pole	0	6417	8	4	
		1	6171	8	4	
	4 Pole	1	6171	8	4	
		2	6095	8	4	

Step switches with "0" position

	2 step	1 Pole	0	4480	2	1	
			1	4172	2	1	
		2 Pole	0	4481	4	2	
			1	4173	4	2	
		3 Pole	1	4482	6	3	
			1	4174	6	3	
	3 step	1 Pole	0	4483	3	2	
			1	4175	3	2	
		2 Pole	0	4484	6	3	
			1	4176	6	3	
		3 Pole	0	4485	9	5	
			1	4177	9	5	
	5 step	1 Pole	0 1	3600	5	5	
		2 Pole	0 1	3620	10	10	
	6 step	1 Pole	0 1	3700	6	6	
		2 Pole	0 1	3720	12	12	
	7 step	1 Pole	0 1	3800	7	6	
		2 Pole	0 1	3820	14	12	
	8 step	1 Pole	0 1	3900	8	6	
		2 Pole	0 1	3920	16	12	
	9 step	1 Pole	0 1	3A00	9	6	
		2 Pole	0 1	3A20	18	12	
	10 step	1 Pole	0 1	3B00	10	6	
		2 Pole	0 1	3B20	20	12	
	9 step	1 Pole	0 1	3C00	11	6	
		2 Pole	0 1	3C20	22	12	

Step switches without "0" position

	3 step	1 Pole	0	4486	3	2				
			1	4178	3	2				
		2 Pole	0	4487	6	3				
			1	4179	6	3				
		3 Pole	1	4488	9	5				
			1	4180	9	5				
	4 step	1 Pole	0	4489	4	2				
			1	4181	4	2				
		2 Pole	0	4490	8	4				
			1	4182	8	4				
		3 Pole	0	4491	12	6				
			1	4183	12	6				
	6 step	1 Pole	0	3619	6	6				
			1	3639	12	12				
		2 Pole	0	3639	12	12				
			1	3639	12	12				
			7 step	1 Pole	0	3719		7	6	
					1	3739		14	12	
2 Pole	0			3739	14	12				
	1			3739	14	12				
	8 step			1 Pole	0	3819	8	6		
					1	3839	16	12		
		2 Pole	0	3839	16	12				
			1	3839	16	12				
			9 step	1 Pole	0	3919	9	6		
					1	3939	18	12		
2 Pole	0			3939	18	12				
	1			3939	18	12				
	10 step			1 Pole	0	3A19	10	6		
					1	3A39	20	12		
		2 Pole	0	3A39	20	12				
			1	3A39	20	12				
			11 step	1 Pole	0	3B19	11	6		
					1	3B39	22	12		
2 Pole	0			3B39	22	12				
	1			3B39	22	12				
	12 step			1 Pole	0	3C19	12	6		
					1	3C39	24	12		
		2 Pole	0	3C39	24	12				
			1	3C39	24	12				

Order Form for the planning of special switching programs for KK type rotary switches

Type													Links	Terminal indication	Links
KK0-20-...															
KK1-32-...															
KK2-40-...															
KK2-63-...															
KK2-80-...															
KK2-115-...															
KK3-115-...															
KK4-150-...															
KK5-315-...															
Version															
Normal															
Plastic enclosure															
Lockable															
Padlockable															
Switch-disconnector															
Emergency-stop switch															
Rotating															
Returning control															
Door coupling															
Switching angle															
30°															
45°															
60°															
90°															
Mounting															
Front															
Rear															
Front with 2 pcs screws															
Front and rear															
Front plate															
30/60°															
45/90°															