

Catalog 500

Main Switches	16 A-315 A
Maintenance Switches	20 A-315 A
Switch Disconnectors	20 A-315 A



60947

KRAUS & NAIMER

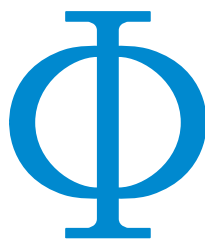
The development of the Blue Line rotary switch, contactor and motor starter product ranges is based on more than seventy-five years experience by Kraus & Naimer in the design and manufacture of electrical switchgear. Kraus & Naimer pioneered the introduction of the cam operated rotary switch and continues to be recognized as the world leader in that product field.

BLUE LINE

Blue Line products are protected by numerous patents throughout the industrial world. They are built to national and international standards and designed to withstand adverse temperatures and climates.

Blue Line products are accepted and universally recognized for their quality and workmanship. They are supported by a worldwide sales and service organization.

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WORLDWIDE SYMBOL
FOR QUALITY SWITCHGEAR

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3, 4, and 6 pole	33
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Main Switches with 4 poles and also Maintenance Switches with 6 poles and more on request.

Switch disconnectors of the KG-series



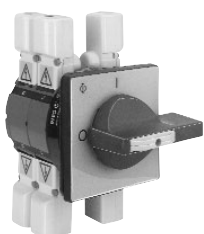
Switch disconnectors of the KH-series



Main switches of the KG- and KH-series
2 designs



Main switches C316



Maintenance and safety switches
2 designs



Construction Data

The switches described in this catalog exceed the requirements of IEC 60947-3, EN 60947-3, VDE 0660 part 107, IEC 60204, EN 60204 and VDE 0113 and meet the standard on switch disconnectors, main switches and maintenance switches.

Common characteristics of the modular switch line KG and KH are:

High circuit withstand capability and greater air and creepage distances for circuits up to 1000 V resp. 690 V. Positive contact movement during making and breaking operations.

Base mounted switches up to 100 A are designed for standard rail mounting in accordance with EN 50022. For ease of installation, switch terminations are on the same plane as the power conductors and are supplied with open terminals. Captive plus-minus terminal screws and integrated screwdriver guides also reduce wiring time.

Terminals on the KG10 through KG160 and the KH-series are all finger-proof in accordance with VDE 0106 part 100, with additional protection IP 20 (all-around finger-proof) on the KG10 through KG64 resp. KH40.

The switches of the KH-series are also available with adjustable length through shaft and for connecting with ring type terminals. KG125, KG160, KG210, KG250 and KG315 can be supplied with bolt terminals either on top or with terminals on the top and bottom.

C type switches used as main switches require a protective cover for the outgoing and incoming terminals.

Enclosures for the C and KG type switches are made of a strong durable plastic with high UV-resistance and are designed with extra space for easy wiring. A special enclosure series which is suitable for applications in an aggressive environment, such as oil, chemical substances and grease is also available.

Selection of the Main Switches

The regulations of VDE 0113 part 1 resp. EN 60204-1 indicate a difference between switch disconnectors and disconnectors when selecting the main switch.

Switch disconnectors have to conform to category AC-23B. The disconnector must have an auxiliary contact which ensures the load interruption by means of contactor. The disconnector, therefore, should be selected according to the thermal current of the load. The auxiliary contact must have a sufficient AC-15 switching capacity to operate the contactor.

When using the switch disconnector as a main switch the breaking capacity of the switch has to be considered. The interruption capacity of the switch must equal or exceed the locked rotor current of the machine's largest motor plus the total current of all other electrical equipment in the circuit. In addition, the total nominal current of all electrical equipment may not exceed the rated thermal current of the switch.

Standard Equipment

Main Switches and Main Switches with Emergency Function:

Are supplied with a padlockable handle and protective cover for all the incoming terminals for switch types C316, KG80 through KG315, KH63 and KH80. Switch types C316, KG210, KG250 and KG315 are also supplied with protective covers on the outgoing terminals.

Main switches are fitted with black handles. Main switches with emergency function are supplied with red handles and contrasting yellow escutcheon plate.

Switches with door clutches are also supplied with a padlock device.

Switches with under-voltage release are supplied with a coil for 220 V-230 V, 50 Hz. (Other coil voltages are available on request.)

Maintenance and Safety Switches (Main Switches and Main Switches with Emergency Function in Enclosure):

High strength durable plastic enclosures are designed with extra space for easy wiring (see Construction Data), totally insulated acc. to IEC 364-4-41, HD 384.4.41 S2 and VDE 0100-410. Main switches are fitted with electro-gray or black handles. Main switches with emergency function are supplied with red handles and contrasting yellow escutcheon plate.

Ground terminal.

Special safety interlocked covers supplied with enclosures.

Switches with code numbers ending with STM are supplied with conduit entries.

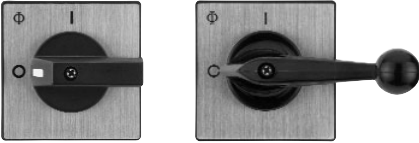
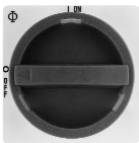
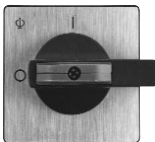
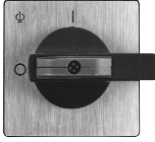
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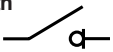
Auxiliary contacts close after the main contacts close and open before main contacts open. A selection of padlock devices are shown on page 3.

Main switches with 4 poles and also maintenance switches with 6 poles and more on request.

Ordering Information

Ordering information is shown in blue on pages 6-35.

Mounting Units Switch disconnectors Main switches and main switches with emergency function with padlock device	Size in mm	Padlocks Max. Shackle Pad- in lock mm		Standard for Switch Types Further variations on request.
 KG210, KG250, KG315	48 x 48 64 x 64 88 x 88 130 x 130	– – – –	– – – –	<u>Four hole panel mounting, base mounting</u> KG10A, KG 20A, KG32A, KG41, KG64, KH16, KH20, KH25 <u>Single hole mounting 22 mm</u> KG10A, KG20A, KG32A, KH16, KH20, KH25 <u>Direct-mounting on printed circuit board</u> KG21A, KG33A <u>Four hole panel mounting, base mounting</u> KG10B, KG20B, KG32B, KG41B, KG64B, KG80, KG100, KH16B, KH20B, KH25B, KH32, KH40, KH63, KH80 KG80C, KG100C, KG125, KG160, KG210, KG250, KG315 C316
	74 x 74	3	9	<u>In enclosure</u> KG10, KG20, KG20B, KG32, KG32B, KG41, KG41B, KG64, KG64B, KG80, KG100
	64 x 64 88 x 88	3 3	9 10	<u>Four hole panel mounting, base mounting</u> KG10B, KG20B, KG32B, KG41B, KG64B, KG80, KG100, KH16B, KH20B, KH25B, KH32, KH40, KH63, KH80, CA10Z, CA20Z, CA25Z, C32, C42 <u>Single hole mounting 22 mm</u> KG10B, KG20B, KG32B, KH16, KH20, KH25, KH32, KH40 <u>Four hole panel mounting</u> KG80C, KG100C, KG125, KG160 <u>Base mounting</u> KG125, KG160 <u>In enclosure</u> KG80C, KG100C, KG125, KG160
	48 x 48 64 x 64 88 x 88 130 x 130	3 4 3 4 4 4	7 or 5 8 or 5 9 9	<u>Four hole panel mounting, base mounting</u> KG10A, KG20A, KG32A, KG41, KG64, KH16, KH20, KH25, CA10Z, CA20Z, CA25Z <u>Single hole mounting 22 mm</u> KG10A, KG20A, KG32A, KH16, KH20, KH25, CA10Z, CA20Z, CA25Z <u>Four hole panel mounting or</u> <u>Single hole mounting 22 mm, base mounting</u> KG10B, KG20B, KG32B, KG41B, KG64B, KG80, KG100, KH16B, KH20B, KH25B, KH32, KH40, KH63, KH80, CA10Z, CA20Z, CA25Z <u>In enclosure</u> KG10, KG20, KG20B, KG32, KG32B, KG41, KG41B, KG64, KG64B, KG80, KG100 <u>Four hole panel mounting</u> KG80C, KG100C, KG125, KG160, KG210, KG250, KG315 KG41B T..3/81 E, KG64B T..3/81 E <u>In enclosure</u> KG80C, KG100C, KG125, KG160, KG250, KG315 <u>Four hole panel mounting and in enclosure</u> C316
	88 x 88	4	9	<u>Four hole panel mounting</u> KG250, KG315
	88 x 88	3	9	<u>Base mounting</u> KG20B, KG32B, KG41B, KG64B, KG80, KG100, KG125, KG160, KG210, KG250, KG315, KH32, KH40, KH63, KH80, C316 With integrated door clutch. The handle is restricted if the door is opened. In the I-position the door can be opened with a special key. Possible misalignment of the shaft can be compensated for by the door clutch. To open the door in the I-position an unlock insert S1D M700 29 is available on request.

Technical Data in accordance with IEC 60947, EN 60947, VDE 0660, IEC 60204, EN 60204, VDE 0113 Nominal ratings for North America (UL) see Catalog 150 ⁶ . 			KG10		KG20		KG32		KG41		KG64
			KG10A	KH16	KG20A	KH20	KH25	KG32A	KG41	KG64	
			KG10B	KH16B	KG20B	KH20B	KH25B	KG32B	KG41B	KG64B	
Rated Values											
Insulation voltage U_i^1	V		690	800 ²	690	800 ²	800 ²	690	800 ²	690	690
Impulse withstand voltage U_{imp}^1	kV		4	6	6	6	6	6	6	6	6
Thermal current I_u open = I_{th}	A		20	16	25	20	25	32	32	40	63
	I_{the} enclosed	A	20	16	25	20	25	32	32	40	63
Breaking capacity	220 V/240 V	A	120	160	180	200	250	220	300	300	350
	380 V/440 V	A	120	160	180	200	250	220	300	300	350
	660 V/690 V	A	80	160	125	160	180	135	210	150	190
Main Switch Voltage Rating											
Disconnection property up to ¹	V		690	690	690	690	690	690	690	690	690
Utilization Category											
AC-21A Switch disconnectors for resistive load I_e	A		20	16	25	20	25	32	32	40	63
AC-3 Direct switching of single motors	3 phase, 3 pole										
	220 V/240 V	kW	2,2	3	4	3,5	4	5,5	5,5	7,5	11
	380 V/440 V	kW	3,7	5,5	5,5	6,5	7,5	7,5	11	15	18,5
	660 V/690 V	kW	3,7	5,5	5,5	6,5	7,5	7,5	11	15	15
	1 phase, 2 pole										
	220 V/240 V	kW	1,1								
AC-23A, Switch disconnectors for motor circuits, main switches etc.	3 phase, 3 pole										
	220 V/240 V	kW	3	4,5	5,5	5,5	7	5,5	9	7,5	11
	380 V/440 V	kW	5,5	7,5	7,5	10	12	11	16	15	22
	660 V/690 V	kW	5,5	13	7,5	15	17	11	22	15	18,5
	1 phase, 2 pole										
	220 V/240 V	kW	1,5								
Short Circuit Protection											
Max. fuse size (gL-characteristic)	A		20	25	35	35	35	35	50	50	63
Rated short-time withstand current (1s-current)	A		130	400	350	450	500	430	850	500	580
Max. Permissible Wire Gage⁷											
Single-core or stranded wire	mm ²	2,5	6	6	6	6	6	10	16	10	16
	AWG	12	10	10	10	10	10	8	6	8	6
	MCM	—	—	—	—	—	—	—	—	—	—
Flexible wire with sleeve	mm ²	2,5	4	4	4	4	4	6	10	6	10
	AWG	12	12	10	12	12	10	10	8	10	8
	MCM	—	—	—	—	—	—	—	—	—	—
Connecting bolts	mm	—	—	—	—	—	—	—	—	—	—
Flat copper busbar	mm	—	—	—	—	—	—	—	—	—	—
Auxiliary Contacts Rated Values											
Insulation voltage U_i^1	V		690	440	500	440	440	500	440	690	690
Impulse withstand voltage U_{imp}^1	kV		4	4	6	4	4	6	4	6	6
Thermal current I_u open = I_{th}	A		20	10	10	10	10	10	16	10	16
	I_{the} enclosed	A	20	10	10	10	10	10	16	10	16
AC-15 Operational current I_e	220 V/240 V	A	6	2,5	2,5	2,5	2,5	2,5	6	2,5	6
	380 V/440 V	A	4	1,5	1,5	1,5	1,5	1,5	3	1,5	3
Short Circuit Protection											
Max. fuse size (gL-characteristic)	A		20	10	10	10	10	10	16	10	16
Max. Permissible Wire Gage⁷											
Single-core or stranded wire	mm ²	2,5	1,5	1,5	1,5	1,5	1,5	1,5	2,5	1,5	2,5
	AWG	12	14	14	14	14	14	14	12	14	12
Flexible wire with sleeve	mm ²	2,5	1,5	1,5	1,5	1,5	1,5	1,5	2,5	1,5	2,5
	AWG	12	16	16	16	16	16	16	14	16	14

KH63	KG80 KG80C	KH80	KG100 KG100C	KG125	KG160	KG210	KG250	KG315	CA10Z	CA20Z	CA25Z	C32	C42	C316
1000 ² 8	690 6	1000 ² 8	690 6	1000 ² 8	1000 ² 8	1000 ² 8	1000 ² 8	1000 ² 8	690 4	690 4	690 4	690 4	690 4	1000 8
63 63	80 80	80 80	100 100	125 125	160 160	200 200	250 250	315 315	20 20	25 25	32 32	50 50	63 63	315 315/275 ³
550 500 280	560 560 200	650 630 340	700 650 280	800 750 340	900 850 340	1300 1100 400	1600 1380 400	1800 1650 400	150 150 80	200 200 125	280 250 150	380 360 270	550 550 430	2000 2000 335
1000 ²	690	1000 ²	690	1000 ²	1000 ²	1000 ²	1000 ²	1000 ²	690	690	690	690	690	1000
63	80	80	100	125	160	200	250	315	20	25	32	40	63	315
11 22 18,5	15 22 18,5	15 30 22	18,5 30 22	22 37 30	30 45 37	37 55 45	37 55 45	45 75 45	3 5,5 5,5	4 7,5 7,5	5,5 11 11	7,5 15 15	11 18,5 18,5	37 55 37
18,5 30 30	18,5 30 22	23 40 37	22 37 30	30 45 37	30 55 37	37 75 45	37 90 45	55 110 45	3,7 7,5 7,5	5,5 11 11	7,5 15 15	11 22 22	15 30 50	75 132 37
80 1200	80 1600	100 1600	100 1850	125 2500	160 3000	200 4000	250 4600	315 5800	25 140	35 280	35 480	63 800	80 1000	315 4200
35 2 —	35(50) ⁴ 2(1/0) —	35 2 —	35(50) ⁴ 2(1/0) —	95 3/0 —	95 3/0 —	185 — 350	185 — 350	185 — 350	2,5 12 —	4 10 —	6 8 —	10 8 —	16 6 —	185 ⁵ — 350
25 4 —	25(35) ⁴ 3(2) —	25 4 —	25(35) ⁴ 3(2) —	70 1/0 —	70 1/0 —	120 — 250	120 — 250	120 — 250	2,5 14 —	2,5 12 —	4 10 —	6 8 —	10 6 —	150 ⁵ — 300
— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	— —	M12 —
440 4	690 6	440 4	690 6	690 6	690 6	690 6	690 6	690 6	— —	— —	— —	— —	— —	690 6
10 10	16 16	10 10	16 16	16 16	16 16	16 16	16 16	16 16	— —	— —	— —	— —	— —	16 16
2,5 1,5	6 3	2,5 1,5	6 3	6 3	6 3	6 3	6 3	6 3	— —	— —	— —	— —	— —	6 4
10	16	10	16	16	16	16	16	16	—	—	—	—	—	16
1,5 14	2,5 12	1,5 14	2,5 12	2,5 12	2,5 12	2,5 12	2,5 12	2,5 12	— —	— —	— —	— —	— —	4 12
1,5 16	2,5 14	1,5 16	2,5 14	2,5 14	2,5 14	2,5 14	2,5 14	2,5 14	— —	— —	— —	— —	— —	2,5 14

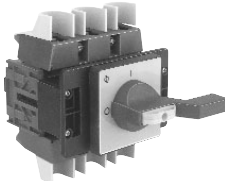
⁶The switches of the KG- and KH-series shown in this catalog are approved by UL and CSA as „disconnect switches for use in motor circuits“. Exception: Switches in enclosure. ⁴Use copper wire only.

Main Switches and Main Switches with Emergency Function 2 and 3 pole, for Four Hole Panel Mounting

Version Protection Escutcheon plate in mm	Thermal Current I_U/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 65 64 x 64 	20 A	220 V/240 V 1,5 kW / 120 A	2 pole KG10B	T102/01 E	01367 8	2 pole KG10B	T202/01 E	01375 3
	20 A	3 x 380 V/440 V 5,5 kW / 120 A	3 pole KG10B	T103/01 E	01044 8	3 pole KG10B	T203/01 E	01049 3
	25 A	7,5 kW / 180 A	KG20B	T103/01 E	00001 2	KG20B	T203/01 E	00043 2
	32 A	11 kW / 220 A	KG32B	T103/01 E	00002 9	KG32B	T203/01 E	00044 9
	40 A	15 kW / 300 A	KG41B	T103/01 E	00003 6	KG41B	T203/01 E	00045 6
	63 A	22 kW / 350 A	KG64B	T103/01 E	00004 3	KG64B	T203/01 E	00046 3
	80 A	30 kW / 560 A	KG80	T103/01 E	00005 0	KG80	T203/01 E	00047 0
	100 A	37 kW / 650 A	KG100	T103/01 E	00006 7	KG100	T203/01 E	00048 7
	80 A	30 kW / 560 A	KG80C	T103/01 E	01383 8	KG80C	T203/01 E	01389 0
	100 A	37 kW / 650 A	KG100C	T103/01 E	01384 5	KG100C	T203/01 E	01390 6
88 x 88 	125 A	45 kW / 750 A	KG125	T103/01 E	00008 1	KG125	T203/01 E	00050 0
	160 A	55 kW / 850 A	KG160	T103/01 E	00009 8	KG160	T203/01 E	00051 7
IP 65 ¹ 48 x 48 	20 A	220 V/240 V 1,5 kW / 120 A	2 pole KG10A	T102/04 E	01368 5	2 pole KG10A	T202/04 E	01376 0
	20 A	3 x 380 V/440 V 5,5 kW / 120 A	3 pole KG10A	T103/04 E	01046 2	3 pole KG10A	T203/04 E	01051 6
	25 A	7,5 kW / 180 A	KG20A	T103/04 E	01110 0	KG20A	T203/04 E	01132 2
	32 A	11 kW / 220 A	KG32A	T103/04 E	01111 7	KG32A	T203/04 E	01133 9
	40 A	15 kW / 300 A	KG41	T103/04 E	01112 4	KG41	T203/04 E	01134 6
	63 A	22 kW / 350 A	KG64	T103/04 E	01113 1	KG64	T203/04 E	01135 3
64 x 64 	20 A	220 V/240 V 1,5 kW / 120 A	2 pole KG10B	T102/04 E	01369 2	2 pole KG10B	T202/04 E	01377 7
	20 A	3 x 380 V/440 V 5,5 kW / 120 A	3 pole KG10B	T103/04 E	01047 9	3 pole KG10B	T203/04 E	01052 3
	25 A	7,5 kW / 180 A	KG20B	T103/04 E	01114 8	KG20B	T203/04 E	01136 0
	32 A	11 kW / 220 A	KG32B	T103/04 E	01115 5	KG32B	T203/04 E	01137 7
	40 A	15 kW / 300 A	KG41B	T103/04 E	01116 2	KG41B	T203/04 E	01138 4
	63 A	22 kW / 350 A	KG64B	T103/04 E	01117 9	KG64B	T203/04 E	01139 1
	80 A	30 kW / 560 A	KG80	T103/04 E	01118 6	KG80	T203/04 E	01140 7
	100 A	37 kW / 650 A	KG100	T103/04 E	01119 3	KG100	T203/04 E	01141 4
88 x 88 	40 A	15 kW / 300 A	KG41B	T103/81 E	03170 2	KG41B	T203/81 E	03172 6
	63 A	22 kW / 350 A	KG64B	T103/81 E	03171 9	KG64B	T203/81 E	03173 3
	80 A	30 kW / 560 A	KG80C	T103/04 E	00021 0	KG80C	T203/04 E	00063 0
	100 A	37 kW / 650 A	KG100C	T103/04 E	00022 7	KG100C	T203/04 E	00064 7
	125 A	45 kW / 750 A	KG125	T103/04 E	00024 1	KG125	T203/04 E	00066 1
	160 A	55 kW / 850 A	KG160	T103/04 E	00025 8	KG160	T203/04 E	00067 8
	200 A	75 kW / 1100 A	KG210	T103/05 E	07491 4	KG210	T203/05 E	07484 6
	250 A	90 kW / 1380 A	KG250	T103/05 E	00027 2	KG250	T203/05 E	00069 2
	315 A	110 kW / 1650 A	KG315	T103/05 E	00028 9	KG315	T203/05 E	00070 8
130 x 130 	315 A	132 kW / 2000 A	C316	T103/05 E	00029 6	C316	T203/05 E	00071 5

¹ C316 protection IP 40. Higher protection available on request.

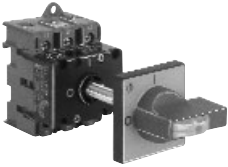
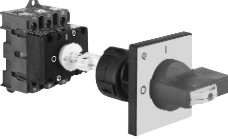
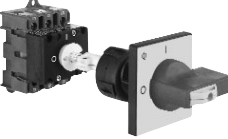
Main Switches and Main Switches with Emergency Function 3 pole, for Four Hole Panel Mounting

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 88 x 88 	250 A 315 A	90 kW / 1380 A 110 kW / 1650 A	KG250 T103/66 E KG315 T103/66 E	01276 3 01277 0	KG250 T203/66 E KG315 T203/66 E	01278 7 01279 4

Main Switches and Main Switches with Emergency Function 2 and 3 pole, for Single Hole Mounting 22 mm

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 64 x 64 	20 A 20 A 25 A 32 A	220 V/240 V 1,5 kW / 120 A 3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	2 pole KG10B T102/01 FT2 3 pole KG10B T103/01 FT2 KG20B T103/01 FT2 KG32B T103/01 FT2	01372 2 01048 6 00085 2 00086 9	2 pole KG10B T202/01 FT2 3 pole KG10B T203/01 FT2 KG20B T203/01 FT2 KG32B T203/01 FT2	01380 7 01053 0 00089 0 00090 6
IP 65 48 x 48  64 x 64	20 A 20 A 25 A 32 A 20 A 20 A 25 A 32 A	220 V/240 V 1,5 kW / 120 A 3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 220 V/240 V 1,5 kW / 120 A 3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	2 pole KG10A T102/04 FT2 3 pole KG10A T103/04 FT2 KG20A T103/04 FT2 KG32A T103/04 FT2 2 pole KG10B T102/04 FT2 3 pole KG10B T103/04 FT2 KG20B T103/04 FT2 KG32B T103/04 FT2	01370 8 01054 7 01130 8 01131 5 01371 5 01055 4 01056 1 01057 8	2 pole KG10A T202/04 FT2 3 pole KG10A T203/04 FT2 KG20A T203/04 FT2 KG32A T203/04 FT2 2 pole KG10B T202/04 FT2 3 pole KG10B T203/04 FT2 KG20B T203/04 FT2 KG32B T203/04 FT2	01378 4 01072 1 01152 0 01153 7 01379 1 01073 8 01074 5 01075 2

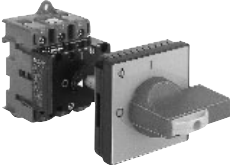
Main Switches and Main Switches with Emergency Function 2 and 3 pole, for Base Mounting with Simplified Door Clutch, Padlock Device and Single Hole Mounting 22 mm

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 48 x 48 	20 A 20 A 25 A 32 A 40 A 63 A	220 V/240 V 1,5 kW / 120 A 3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	2 pole KG10A T102/68 VE 3 pole KG10A T103/68 VE KG20A T103/68 VE KG32A T103/68 VE KG41 T103/68 VE KG64 T103/68 VE	01373 9 01060 8 01061 5 01062 2 01063 9 01064 6	2 pole KG10A T202/68 VE 3 pole KG10A T203/68 VE KG20A T203/68 VE KG32A T203/68 VE KG41 T203/68 VE KG64 T203/68 VE	01381 4 01078 3 01079 0 01080 6 01081 3 01082 0
64 x 64 	20 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	220 V/240 V 1,5 kW / 120 A 3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	2 pole KG10B T102/68 VE 3 pole KG10B T103/68 VE KG20B T103/68 VE KG32B T103/68 VE KG41B T103/68 VE KG64B T103/68 VE KG80 T103/68 VE KG100 T103/68 VE	01374 6 01065 3 01066 0 01067 7 01068 4 01069 1 01070 7 01071 4	2 pole KG10B T202/68 VE 3 pole KG10B T203/68 VE KG20B T203/68 VE KG32B T203/68 VE KG41B T203/68 VE KG64B T203/68 VE KG80 T203/68 VE KG100 T203/68 VE	01382 1 01083 7 01084 4 01085 1 01086 8 01087 5 01088 2 01089 9
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	20 A 25 A 32 A 40 A 63 A 80 A 100 A	3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	3 pole KG10B T103/93 VE KG20B T103/93 VE KG32B T103/93 VE KG41B T103/93 VE KG64B T103/93 VE KG80 T103/93 VE KG100 T103/93 VE	06347 5 06348 2 06349 9 06350 5 06351 2 06352 9 06353 6	3 pole KG10B T203/93 VE KG20B T203/93 VE KG32B T203/93 VE KG41B T203/93 VE KG64B T203/93 VE KG80 T203/93 VE KG100 T203/93 VE	06354 3 06355 0 06356 7 06357 4 06358 1 06359 8 06360 4
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	20 A 25 A 32 A 40 A 63 A 80 A 100 A	3 x 380 V/440 V 5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	3 pole KG10B T103/94 VE KG20B T103/94 VE KG32B T103/94 VE KG41B T103/94 VE KG64B T103/94 VE KG80 T103/94 VE KG100 T103/94 VE	06361 1 06362 8 06363 5 06364 2 06365 9 06366 6 06367 3	3 pole KG10B T203/94 VE KG20B T203/94 VE KG32B T203/94 VE KG41B T203/94 VE KG64B T203/94 VE KG80 T203/94 VE KG100 T203/94 VE	06368 0 06369 7 06370 3 06371 0 06372 7 06373 4 06374 1

Main Switches and Main Switches with Emergency Function

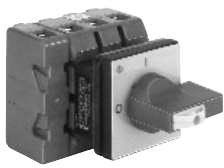
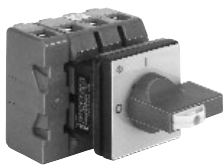
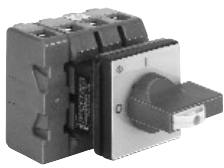
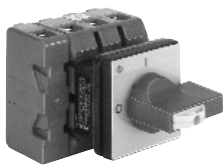
3 pole, for Base Mounting

with Door Clutch

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 40 ¹ 64 x 64 	20 A	5,5 kW / 120 A	KG10B	T103/09 VE	01280 0	KG10B	T203/09 VE	01281 7
	25 A	7,5 kW / 180 A	KG20B	T103/09 VE	00093 7	KG20B	T203/09 VE	00107 1
	32 A	11 kW / 220 A	KG32B	T103/09 VE	00094 4	KG32B	T203/09 VE	00108 8
	40 A	15 kW / 300 A	KG41B	T103/09 VE	00095 1	KG41B	T203/09 VE	00109 5
	63 A	22 kW / 350 A	KG64B	T103/09 VE	00096 8	KG64B	T203/09 VE	00110 1
	80 A	30 kW / 560 A	KG80	T103/09 VE	00097 5	KG80	T203/09 VE	00111 8
	100 A	37 kW / 650 A	KG100	T103/09 VE	00098 2	KG100	T203/09 VE	00112 5
	88 x 88							
	125 A	45 kW / 750 A	KG125	T103/09 VE	00100 2	KG125	T203/09 VE	00114 9
	160 A	55 kW / 850 A	KG160	T103/09 VE	00101 9	KG160	T203/09 VE	00115 6
IP 65 48 x 48 	20 A	5,5 kW / 120 A	KG10A	T103/65 VE	01058 5	KG10A	T203/65 VE	01076 9
	25 A	7,5 kW / 180 A	KG20A	T103/65 VE	01120 9	KG20A	T203/65 VE	01142 1
	32 A	11 kW / 220 A	KG32A	T103/65 VE	01121 6	KG32A	T203/65 VE	01143 8
	64 x 64							
	20 A	5,5 kW / 120 A	KG10B	T103/65 VE	01059 2	KG10B	T203/65 VE	01077 6
	25 A	7,5 kW / 180 A	KG20B	T103/65 VE	01124 7	KG20B	T203/65 VE	01146 9
	32 A	11 kW / 220 A	KG32B	T103/65 VE	01125 4	KG32B	T203/65 VE	01147 6
	40 A	15 kW / 300 A	KG41B	T103/65 VE	01126 1	KG41B	T203/65 VE	01148 3
	63 A	22 kW / 350 A	KG64B	T103/65 VE	01127 8	KG64B	T203/65 VE	01149 0
	80 A	30 kW / 560 A	KG80	T103/65 VE	01128 5	KG80	T203/65 VE	01150 6
IP 65 88 x 88  With integrated door clutch. The handle is restricted if the door is opened. In the I-position the door can be opened with a special key. Possible misalignment of the shaft can be compensated for by the door clutch. To open the door in the I-position an unlock insert S1D M700 29 is available on request. See page 33.	20 A	5,5 kW / 120 A	KG10B	T103/65 VE	01059 2	KG10B	T203/65 VE	01077 6
	25 A	7,5 kW / 180 A	KG20B	T103/65 VE	01124 7	KG20B	T203/65 VE	01146 9
	32 A	11 kW / 220 A	KG32B	T103/65 VE	01125 4	KG32B	T203/65 VE	01147 6
	40 A	15 kW / 300 A	KG41B	T103/65 VE	01126 1	KG41B	T203/65 VE	01148 3
	63 A	22 kW / 350 A	KG64B	T103/65 VE	01127 8	KG64B	T203/65 VE	01149 0
	80 A	30 kW / 560 A	KG80	T103/65 VE	01128 5	KG80	T203/65 VE	01150 6
	100 A	37 kW / 650 A	KG100	T103/65 VE	01129 2	KG100	T203/65 VE	01151 3
	25 A	7,5 kW / 180 A	KG20B	T103/12 VE	01591 7	KG20B	T203/12 VE	01593 1
	32 A	11 kW / 220 A	KG32B	T103/12 VE	01592 4	KG32B	T203/12 VE	01594 8
	40 A	15 kW / 300 A	KG41B	T103/12 VE	00129 3	KG41B	T203/12 VE	00159 0
	63 A	22 kW / 350 A	KG64B	T103/12 VE	00130 9	KG64B	T203/12 VE	00160 6
	80 A	30 kW / 560 A	KG80	T103/12 VE	00131 6	KG80	T203/12 VE	00161 3
	100 A	37 kW / 650 A	KG100	T103/12 VE	00132 3	KG100	T203/12 VE	00162 0
	125 A	45 kW / 750 A	KG125	T103/12 VE	00134 7	KG125	T203/12 VE	00164 4
	160 A	55 kW / 850 A	KG160	T103/12 VE	00135 4	KG160	T203/12 VE	00165 1
	200 A	75 kW / 1100 A	KG210	T103/13 VE	07492 1	KG210	T203/13 VE	07485 3
	250 A	90 kW / 1380 A	KG250	T103/13 VE	00137 8	KG250	T203/13 VE	00167 5
	315 A	110 kW / 1650 A	KG315	T103/13 VE	00138 5	KG315	T203/13 VE	00168 2
	315 A	132 kW / 2000 A	C316	T103/13 VE	00139 2	C316	T203/13 VE	00169 9

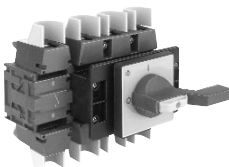
¹Higher protection available on request.

Main Switches and Main Switches with Emergency Function 4 pole, for Four Hole Panel Mounting

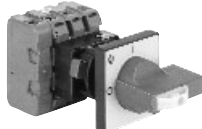
Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 65 64 x 64 	16 A	7,5 kW / 160 A	KH16B	T104/01 E	07091 6	KH16B	T204/01 E	07094 7
	20 A	10 kW / 200 A	KH20B	T104/01 E	07092 3	KH20B	T204/01 E	07095 4
	25 A	12 kW / 250 A	KH25B	T104/01 E	07093 0	KH25B	T204/01 E	07096 1
	32 A	16 kW / 300 A	KH32	T104/01 E	06510 3	KH32	T204/01 E	06511 0
	40 A	20 kW / 380 A	KH40	T104/01 E	06512 7	KH40	T204/01 E	06513 4
	63 A	30 kW / 500 A	KH63	T104/01 E	07493 8	KH63	T204/01 E	07486 0
	80 A	40 kW / 630 A	KH80	T104/01 E	07494 5	KH80	T204/01 E	07487 7
	100 A	37 kW / 650 A	KG100	T104/01 E	00186 6	KG100	T204/01 E	00228 3
88 x 88 	80 A	30 kW / 560 A	KG80C	T104/01 E	01385 2	KG80C	T204/01 E	01391 3
	100 A	37 kW / 650 A	KG100C	T104/01 E	01386 9	KG100C	T204/01 E	01392 0
	125 A	45 kW / 750 A	KG125	T104/01 E	00188 0	KG125	T204/01 E	00230 6
	160 A	55 kW / 850 A	KG160	T104/01 E	00189 7	KG160	T204/01 E	00231 3
IP 65 ¹ 48 x 48 	16 A	7,5 kW / 160 A	KH16	T104/04 E	07097 8	KH16	T204/04 E	07098 5
	20 A	10 kW / 200 A	KH20	T104/04 E	07099 2	KH20	T204/04 E	07100 5
	25 A	12 kW / 250 A	KH25	T104/04 E	07101 2	KH25	T204/04 E	07102 9
	32 A	11 kW / 220 A	KG32A	T104/04 E	01236 7	KG32A	T204/04 E	01248 0
	40 A	15 kW / 300 A	KG41	T104/04 E	01238 1	KG41	T204/04 E	01250 3
	63 A	22 kW / 350 A	KG64	T104/04 E	01240 4	KG64	T204/04 E	01252 7
64 x 64 	16 A	7,5 kW / 160 A	KH16B	T104/04 E	07103 6	KH16B	T204/04 E	07106 7
	20 A	10 kW / 200 A	KH20B	T104/04 E	07104 3	KH20B	T204/04 E	07107 4
	25 A	12 kW / 250 A	KH25B	T104/04 E	07105 0	KH25B	T204/04 E	07108 1
	32 A	16 kW / 300 A	KH32	T104/04 E	06514 1	KH32	T204/04 E	06515 8
	40 A	20 kW / 380 A	KH40	T104/04 E	06516 5	KH40	T204/04 E	06517 2
	63 A	30 kW / 500 A	KH63	T104/04 E	07495 2	KH63	T204/04 E	07488 4
	80 A	40 kW / 630 A	KH80	T104/04 E	07496 9	KH80	T204/04 E	07489 1
	100 A	37 kW / 650 A	KG100	T104/04 E	01243 5	KG100	T204/04 E	01255 8
88 x 88 	80 A	30 kW / 560 A	KG80C	T104/04 E	00201 6	KG80C	T204/04 E	00243 6
	100 A	37 kW / 650 A	KG100C	T104/04 E	00202 3	KG100C	T204/04 E	00244 3
	125 A	45 kW / 750 A	KG125	T104/04 E	00204 7	KG125	T204/04 E	00246 7
	160 A	55 kW / 850 A	KG160	T104/04 E	00205 4	KG160	T204/04 E	00247 4
	200 A	75 kW / 1100 A	KG210	T104/05 E	07497 6	KG210	T204/05 E	07490 7
	250 A	90 kW / 1380 A	KG250	T104/05 E	00207 8	KG250	T204/05 E	00249 8
	315 A	110 kW / 1650 A	KG315	T104/05 E	00208 5	KG315	T204/05 E	00250 4
130 x 130	315 A	132 kW / 2000 A	C316	T104/05 E	00209 2	C316	T204/05 E	00251 1

¹ C316 protection IP 40. Higher protection available on request.

Main Switches and Main Switches with Emergency Function 4 pole, for Four Hole Panel Mounting

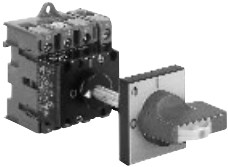
Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 88 x 88 	250 A 315 A	90 kW / 1380 A 110 kW / 1650 A	KG250 T104/66 E KG315 T104/66 E	01256 5 01257 2	KG250 T204/66 E KG315 T204/66 E	01258 9 01259 6

Main Switches and Main Switches with Emergency Function 4 pole, for Single Hole Mounting 22 mm

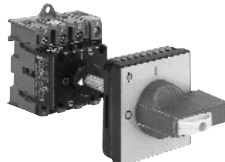
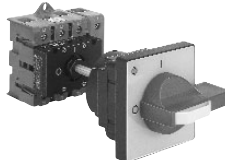
Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 64 x 64 	16 A 20 A 25 A 32 A 40 A 63 A 80 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A	KH16 T104/01 FH3 KH20 T104/01 FH3 KH25 T104/01 FH3 KH32 T104/01 FH3 KH40 T104/01 FH3 KH63 T104/01 FH3 ¹ KH80 T104/01 FH3 ¹	07109 8 07110 4 07111 1 06668 1 06669 8 08908 6 08910 9	KH16 T204/01 FH3 KH20 T204/01 FH3 KH25 T204/01 FH3 KH32 T204/01 FH3 KH40 T204/01 FH3 KH63 T204/01 FH3 ¹ KH80 T204/01 FH3 ¹	07112 8 07113 5 07114 2 06670 4 06671 1 08909 3 08911 6
IP 65 48 x 48 	16 A 20 A 25 A 32 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 11 kW / 220 A	KH16 T104/04 FT2 KH20 T104/04 FT2 KH25 T104/04 FT2 KG32A T104/04 FT2	07115 9 07116 6 07117 3 01266 4	KH16 T204/04 FT2 KH20 T204/04 FT2 KH25 T204/04 FT2 KG32A T204/04 FT2	07118 0 07119 7 07120 3 01272 5
64 x 64	16 A 20 A 25 A 32 A 40 A 63 A 80 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A	KH16 T104/04 FH3 KH20 T104/04 FH3 KH25 T104/04 FH3 KH32 T104/04 FH3 KH40 T104/04 FH3 KH63 T104/04 FH3 ¹ KH80 T104/04 FH3 ¹	07121 0 07122 7 07123 4 06672 8 06673 5 08912 3 08914 7	KH16 T204/04 FH3 KH20 T204/04 FH3 KH25 T204/04 FH3 KH32 T204/04 FH3 KH40 T204/04 FH3 KH63 T204/04 FH3 ¹ KH80 T204/04 FH3 ¹	07124 1 07125 8 07126 5 06674 2 06675 9 08913 0 08915 4

¹For KH63 and KH80 use flexible wire only in order to avoid excessive pressure on single hole mounting.

Main Switches and Main Switches with Emergency Function
4 pole, for Base Mounting
with Door Clutch, Padlock Device and Single Hole Mounting 22 mm

Version Protection Escutcheon plate in mm	Thermal Current I_U/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 48 x 48 	16 A 20 A 25 A 32 A 40 A 63 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	KH16 T104/68 VE KH20 T104/68 VE KH25 T104/68 VE KG32A T104/68 VE KG41 T104/68 VE KG64 T104/68 VE	07127 2 07128 9 07129 6 01182 7 01184 1 01186 5	KH16 T204/68 VE KH20 T204/68 VE KH25 T204/68 VE KG32A T204/68 VE KG41 T204/68 VE KG64 T204/68 VE	07130 2 07131 9 07132 6 01194 0 01196 4 01198 8
64 x 64	16 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH16B T104/68 VE KH20B T104/68 VE KH25B T104/68 VE KH32 T104/68 VE KH40 T104/68 VE KH63 T104/68 VE KH80 T104/68 VE KG100 T104/68 VE	07133 3 07134 0 07135 7 06518 9 06520 2 07498 3 07500 3 01189 6	KH16B T204/68 VE KH20B T204/68 VE KH25B T204/68 VE KH32 T204/68 VE KH40 T204/68 VE KH63 T204/68 VE KH80 T204/68 VE KG100 T204/68 VE	07136 4 07137 1 07138 8 06519 6 06521 9 07499 0 07501 0 01201 5
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	16 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH16B T104/93 VE KH20B T104/93 VE KH25B T104/93 VE KH32 T104/93 VE KH40 T104/93 VE KH63 T104/93 VE KH80 T104/93 VE KG100 T104/93 VE	07139 5 07140 1 07141 8 06522 6 06524 0 07502 7 07504 1 06381 9	KH16B T204/93 VE KH20B T204/93 VE KH25B T204/93 VE KH32 T204/93 VE KH40 T204/93 VE KH63 T204/93 VE KH80 T204/93 VE KG100 T204/93 VE	07142 5 07143 2 07144 9 06523 3 06525 7 07503 4 07505 8 06388 8
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	16 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH16B T104/94 VE KH20B T104/94 VE KH25B T104/94 VE KH32 T104/94 VE KH40 T104/94 VE KH63 T104/94 VE KH80 T104/94 VE KG100 T104/94 VE	07145 6 07146 3 07147 0 06526 4 06528 8 07506 5 07508 9 06395 6	KH16B T204/94 VE KH20B T204/94 VE KH25B T204/94 VE KH32 T204/94 VE KH40 T204/94 VE KH63 T204/94 VE KH80 T204/94 VE KG100 T204/94 VE	07148 7 07149 4 07150 0 06527 1 06529 5 07507 2 07509 6 06402 1

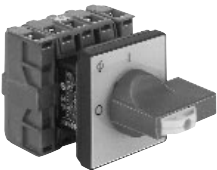
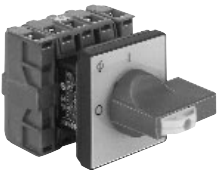
Main Switches and Main Switches with Emergency Function 4 pole, for Base Mounting with Door Clutch

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches		EAN-Code 9004257	Main Switches with Emergency Function		EAN-Code 9004257			
Protection Escutcheon plate in mm			Handle black			Handle red Contrasting yellow plate					
	IP 40 ¹ 64 x 64	16 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH16B KH20B KH25B KH32 KH40 KH63 KH80 KG100	T104/09 VE T104/09 VE T104/09 VE T104/09 VE T104/09 VE T104/09 VE T104/09 VE T104/09 VE	07151 7 07152 4 07153 1 06530 1 06532 5 07510 2 07512 6 00278 8	KH16B KH20B KH25B KH32 KH40 KH63 KH80 KG100	T204/09 VE T204/09 VE T204/09 VE T204/09 VE T204/09 VE T204/09 VE T204/09 VE T204/09 VE	07154 8 07155 5 07156 2 06531 8 06533 2 07511 9 07513 3 00292 4		
	88 x 88	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 KG160	T104/09 VE T104/09 VE	00280 1 00281 8	KG125 KG160	T204/09 VE T204/09 VE	00294 8 00295 5		
		IP 65 48 x 48	16 A 20 A 25 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A	KH16 KH20 KH25	T104/65 VE T104/65 VE T104/65 VE	07157 9 07158 6 07159 3	KH16 KH20 KH25	T204/65 VE T204/65 VE T204/65 VE	07160 9 07161 6 07162 3	
		64 x 64	16 A 20 A 25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 160 A 10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH16B KH20B KH25B KH32 KH40 KH63 KH80 KG100	T104/65 VE T104/65 VE T104/65 VE T104/65 VE T104/65 VE T104/65 VE T104/65 VE T104/65 VE	07163 0 07164 7 07165 4 06534 9 06536 3 07514 0 07516 4 01165 0	KH16B KH20B KH25B KH32 KH40 KH63 KH80 KG100	T204/65 VE T204/65 VE T204/65 VE T204/65 VE T204/65 VE T204/65 VE T204/65 VE T204/65 VE	07166 1 07167 8 07168 5 06535 6 06537 0 07515 7 07517 1 01177 3	
		88 x 88	125 A 160 A 250 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW / 1650 A	KG125 KG160 KG250 KG315	T104/65 VE T104/65 VE T104/83 VE T104/83 VE	03174 0 03175 7 03198 6 03199 3	KG125 KG160 KG250 KG315	T204/65 VE T204/65 VE T204/83 VE T204/83 VE	03178 8 03179 5 03200 6 03201 3	
		 With integrated door clutch. The handle is restricted if the door is opened. In the I-position the door can be opened with a special key. Possible misalignment of the shaft can be compensated for by the door clutch. To open the door in the I-position an unlock insert S1D M700 29 is available on request. See page 33.	IP 65 88 x 88	25 A 32 A 40 A 63 A 80 A 100 A 125 A 160 A 200 A 250 A 315 A 315 A	7,5 kW / 180 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A 45 kW / 750 A 55 kW / 850 A 75 kW / 1100 A 90 kW / 1380 A 110 kW / 1650 A 132 kW / 2000 A	KG20B KH32 KH40 KH63 KH80 KG100 KG125 KG160 KG210 KG250 KG315 C316	T104/12 VE T104/12 VE T104/12 VE T104/12 VE T104/12 VE T104/12 VE T104/12 VE T104/12 VE T104/13 VE T104/13 VE T104/13 VE T104/13 VE	00307 5 06538 7 06540 0 07518 8 07520 1 00312 9 00314 3 00315 0 07522 5 00317 4 00318 1 00319 8	KG20B KH32 KH40 KH63 KH80 KG100 KG125 KG160 KG210 KG250 KG315 C316	T204/12 VE T204/12 VE T204/12 VE T204/12 VE T204/12 VE T204/12 VE T204/12 VE T204/12 VE T204/13 VE T204/13 VE T204/13 VE T204/13 VE	00337 2 06539 4 06541 7 07519 5 07521 8 00342 6 00344 0 00345 7 07523 2 00347 1 00348 8 00349 5

¹Higher protection available on request.

Main Switches and Main Switches with Emergency Function

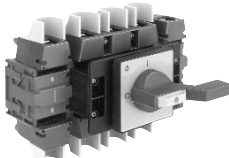
3 pole + Ground and Neutral Terminal, for Four Hole Panel Mounting

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 65 64 x 64 	20 A	5,5 kW / 120 A	KG10B	T105/01 E ²	01395 1	KG10B	T205/01 E ²	01406 4
	25 A	7,5 kW / 180 A	KG20B	T105/01 E	01396 8	KG20B	T205/01 E	01407 1
	32 A	11 kW / 220 A	KG32B	T105/01 E	01397 5	KG32B	T205/01 E	01408 8
	40 A	15 kW / 300 A	KG41B	T105/01 E	01398 2	KG41B	T205/01 E	01409 5
	63 A	22 kW / 350 A	KG64B	T105/01 E	01399 9	KG64B	T205/01 E	01410 1
	80 A	30 kW / 560 A	KG80	T105/01 E	01400 2	KG80	T205/01 E	01411 8
	100 A	37 kW / 650 A	KG100	T105/01 E	01402 6	KG100	T205/01 E	01413 2
88 x 88	80 A	30 kW / 560 A	KG80C	T105/01 E	01401 9	KG80C	T205/01 E	01412 5
	100 A	37 kW / 650 A	KG100C	T105/01 E	01403 3	KG100C	T205/01 E	01414 9
	125 A	45 kW / 750 A	KG125	T105/01 E	01404 0	KG125	T205/01 E	01415 6
	160 A	55 kW / 850 A	KG160	T105/01 E	01405 7	KG160	T205/01 E	01416 3
IP 65 ¹ 48 x 48 	20 A	5,5 kW / 120 A	KG10A	T105/04 E ²	01417 0	KG10A	T205/04 E ²	01433 0
	25 A	7,5 kW / 180 A	KG20A	T105/04 E	01418 7	KG20A	T205/04 E	01434 7
	32 A	11 kW / 220 A	KG32A	T105/04 E	01419 4	KG32A	T205/04 E	01435 4
	40 A	15 kW / 300 A	KG41	T105/04 E	01420 0	KG41	T205/04 E	01436 1
	63 A	22 kW / 350 A	KG64	T105/04 E	01421 7	KG64	T205/04 E	01437 8
64 x 64 	20 A	5,5 kW / 120 A	KG10B	T105/04 E ²	01422 4	KG10B	T205/04 E ²	01438 5
	25 A	7,5 kW / 180 A	KG20B	T105/04 E	01423 1	KG20B	T205/04 E	01439 2
	32 A	11 kW / 220 A	KG32B	T105/04 E	01424 8	KG32B	T205/04 E	01440 8
	40 A	15 kW / 300 A	KG41B	T105/04 E	01425 5	KG41B	T205/04 E	01441 5
	63 A	22 kW / 350 A	KG64B	T105/04 E	01426 2	KG64B	T205/04 E	01442 2
	80 A	30 kW / 560 A	KG80	T105/04 E	01427 9	KG80	T205/04 E	01443 9
	100 A	37 kW / 650 A	KG100	T105/04 E	01428 6	KG100	T205/04 E	01444 6
88 x 88	80 A	30 kW / 560 A	KG80C	T105/04 E	01429 3	KG80C	T205/04 E	01445 3
	100 A	37 kW / 650 A	KG100C	T105/04 E	01430 9	KG100C	T205/04 E	01446 0
	125 A	45 kW / 750 A	KG125	T105/04 E	01431 6	KG125	T205/04 E	01447 7
	160 A	55 kW / 850 A	KG160	T105/04 E	01432 3	KG160	T205/04 E	01448 4
	200 A	75 kW / 1100 A	KG210	T105/05 E	07524 9	KG210	T205/05 E	07525 6
	250 A	90 kW / 1380 A	KG250	T105/05 E	01449 1	KG250	T205/05 E	01451 4
	315 A	110 kW / 1650 A	KG315	T105/05 E	01450 7	KG315	T205/05 E	01452 1

¹C316 protection IP 40. Higher protection available on request. ²In preparation.

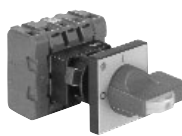
Main Switches and Main Switches with Emergency Function

3 pole + Ground and Neutral Terminal, for Four Hole Panel Mounting

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches	EAN-Code 9004257	Main Switches with Emergency Function	EAN-Code 9004257
Protection Escutcheon plate in mm			Handle black		Handle red Contrasting yellow plate	
IP 65 88 x 88	250 A 315 A	90 kW / 1380 A 110 kW/ 1650 A	KG250 T105/66 E KG315 T105/66 E	01584 9 01585 6	KG250 T205/66 E KG315 T205/66 E	01586 3 01587 0
						

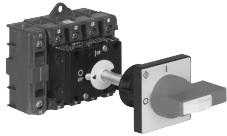
Main Switches and Main Switches with Emergency Function

3 pole + Ground and Neutral Terminal, for Single Hole Mounting 22 mm

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches	EAN-Code 9004257	Main Switches with Emergency Function	EAN-Code 9004257
Protection Escutcheon plate in mm			Handle black		Handle red Contrasting yellow plate	
IP 65 64 x 64	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10B T105/01 FT2 ¹ KG20B T105/01 FT2 KG32B T105/01 FT2	01453 8 01454 5 01455 2	KG10B T205/01 FT2 ¹ KG20B T205/01 FT2 KG32B T205/01 FT2	01456 9 01457 6 01458 3
						
IP 65 48 x 48	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10A T105/04 FT2 ¹ KG20A T105/04 FT2 KG32A T105/04 FT2	01459 0 01460 6 01461 3	KG10A T205/04 FT2 ¹ KG20A T205/04 FT2 KG32A T205/04 FT2	01462 0 01463 7 01464 4
						
64 x 64	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10B T105/04 FT2 ¹ KG20B T105/04 FT2 KG32B T105/04 FT2	01599 3 01601 3 01603 7	KG10B T205/04 FT2 ¹ KG20B T205/04 FT2 KG32B T205/04 FT2	01600 6 01602 0 01604 4

¹In preparation.

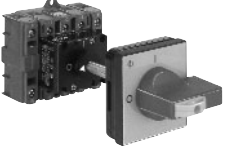
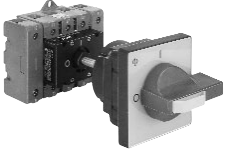
Main Switches and Main Switches with Emergency Function
3 pole + Ground and Neutral Terminal, for Base Mounting
with Door Clutch, Padlock Device and Single Hole Mounting 22 mm

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 48 x 48 	20 A 25 A 32 A 40 A 63 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	KG10A T105/68 VE ¹ KG20A T105/68 VE KG32A T105/68 VE KG41 T105/68 VE KG64 T105/68 VE	01523 8 01524 5 01525 2 01526 9 01527 6	KG10A T205/68 VE ¹ KG20A T205/68 VE KG32A T205/68 VE KG41 T205/68 VE KG64 T205/68 VE	01528 3 01529 0 01530 6 01531 3 01532 0
64 x 64	20 A 25 A 32 A 40 A 63 A 80 A 100 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG10B T105/68 VE ¹ KG20B T105/68 VE KG32B T105/68 VE KG41B T105/68 VE KG64B T105/68 VE KG80 T105/68 VE KG100 T105/68 VE	01605 1 01607 5 01609 9 01611 2 01613 6 01615 0 01617 4	KG10B T205/68 VE ¹ KG20B T205/68 VE KG32B T205/68 VE KG41B T205/68 VE KG64B T205/68 VE KG80 T205/68 VE KG100 T205/68 VE	01606 8 01608 2 01610 5 01612 9 01614 3 01616 7 01618 1
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20B T105/93 VE KG32B T105/93 VE KG41B T105/93 VE KG64B T105/93 VE KG80 T105/93 VE KG100 T105/93 VE	06403 8 06404 5 06405 2 06406 9 06407 6 06408 3	KG20B T205/93 VE KG32B T205/93 VE KG41B T205/93 VE KG64B T205/93 VE KG80 T205/93 VE KG100 T205/93 VE	06409 0 06410 6 06411 3 06412 0 06413 7 06414 4
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20B T105/94 VE KG32B T105/94 VE KG41B T105/94 VE KG64B T105/94 VE KG80 T105/94 VE KG100 T105/94 VE	06415 1 06416 8 06417 5 06418 2 06419 9 06420 5	KG20B T205/94 VE KG32B T205/94 VE KG41B T205/94 VE KG64B T205/94 VE KG80 T205/94 VE KG100 T205/94 VE	06421 2 06422 9 06423 6 06424 3 06425 0 06426 7

¹In preparation.

Main Switches and Main Switches with Emergency Function

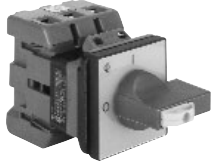
3 pole + Ground and Neutral Terminal, for Base Mounting with Door Clutch

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 40 ¹ 64 x 64 	20 A	5,5 kW / 120 A	KG10B	T105/09 VE ²	01465 1	KG10B	T205/09 VE ²	01474 3
	25 A	7,5 kW / 180 A	KG20B	T105/09 VE	01466 8	KG20B	T205/09 VE	01475 0
	32 A	11 kW / 220 A	KG32B	T105/09 VE	01467 5	KG32B	T205/09 VE	01476 7
	40 A	15 kW / 300 A	KG41B	T105/09 VE	01468 2	KG41B	T205/09 VE	01477 4
	63 A	22 kW / 350 A	KG64B	T105/09 VE	01469 9	KG64B	T205/09 VE	01478 1
	80 A	30 kW / 560 A	KG80	T105/09 VE	01470 5	KG80	T205/09 VE	01479 8
	100 A	37 kW / 650 A	KG100	T105/09 VE	01471 2	KG100	T205/09 VE	01480 4
	125 A	45 kW / 750 A	KG125	T105/09 VE	01472 9	KG125	T205/09 VE	01481 1
	160 A	55 kW / 850 A	KG160	T105/09 VE	01473 6	KG160	T205/09 VE	01482 8
IP 65 48 x 48 	20 A	5,5 kW / 120 A	KG10A	T105/65 VE ²	01483 5	KG10A	T205/65 VE ²	01495 8
	25 A	7,5 kW / 180 A	KG20A	T105/65 VE	01485 9	KG20A	T205/65 VE	01497 2
	32 A	11 kW / 220 A	KG32A	T105/65 VE	01487 3	KG32A	T205/65 VE	01499 6
	20 A	5,5 kW / 120 A	KG10B	T105/65 VE ²	01484 2	KG10B	T205/65 VE ²	01496 5
	25 A	7,5 kW / 180 A	KG20B	T105/65 VE	01486 6	KG20B	T205/65 VE	01498 9
	32 A	11 kW / 220 A	KG32B	T105/65 VE	01488 0	KG32B	T205/65 VE	01500 9
	40 A	15 kW / 300 A	KG41B	T105/65 VE	01410 3	KG41B	T205/65 VE	01502 3
	63 A	22 kW / 350 A	KG64B	T105/65 VE	01492 7	KG64B	T205/65 VE	01504 7
	80 A	30 kW / 560 A	KG80	T105/65 VE	01493 4	KG80	T205/65 VE	01505 4
IP 65 88 x 88  With integrated door clutch. The handle is restricted if the door is opened. In the I-position the door can be opened with a special key. Possible misalignment of the shaft can be compensated for by the door clutch. To open the door in the I-position an unlock insert S1D M700 29 is available on request. See page 33.	100 A	37 kW / 650 A	KG100	T105/65 VE	01494 1	KG100	T205/65 VE	01506 1
	25 A	7,5 kW / 180 A	KG20B	T105/12 VE	01619 8	KG20B	T205/12 VE	01620 4
	32 A	11 kW / 220 A	KG32B	T105/12 VE	01621 1	KG32B	T205/12 VE	01622 8
	40 A	15 kW / 300 A	KG41B	T105/12 VE	01507 8	KG41B	T205/12 VE	01515 3
	63 A	22 kW / 350 A	KG64B	T105/12 VE	01508 5	KG64B	T205/12 VE	01516 0
	80 A	30 kW / 560 A	KG80	T105/12 VE	01509 2	KG80	T205/12 VE	01517 7
	100 A	37 kW / 650 A	KG100	T105/12 VE	01510 8	KG100	T205/12 VE	01518 4
	125 A	45 kW / 750 A	KG125	T105/12 VE	01511 5	KG125	T205/12 VE	01519 1
	160 A	55 kW / 850 A	KG160	T105/12 VE	01512 2	KG160	T205/12 VE	01520 7
	200 A	75 kW / 1100 A	KG210	T105/13 VE	07526 3	KG210	T205/13 VE	07527 0
	250 A	90 kW / 1380 A	KG250	T105/13 VE	01513 9	KG250	T205/13 VE	01521 4
	315 A	110 kW / 1650 A	KG315	T105/13 VE	01514 6	KG315	T205/13 VE	01522 1

¹Higher protection available on request. ²In preparation.

Main Switches and Main Switches with Emergency Function 3 pole + 1 cam- or rack-operated auxiliary contact (NO), for Four Hole Panel Mounting

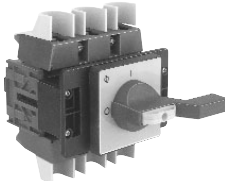
Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well as aggressive environments.

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches		EAN-Code 9004257	Main Switches with Emergency Function		EAN-Code 9004257
Protection Escutcheon plate in mm			Handle black			Handle red Contrasting yellow plate		
IP 65 64 x 64 	20 A	5,5 kW / 120 A	KG10B	T103/17 E	01045 5	KG10B	T203/17 E	01050 9
	25 A	7,5 kW / 180 A	KG20B	T103/17 E	00361 7	KG20B	T203/17 E	00401 0
	32 A	11 kW / 220 A	KG32B	T103/17 E	00362 4	KG32B	T203/17 E	00402 7
	40 A	15 kW / 300 A	KG41B	T103/17 E	00363 1	KG41B	T203/17 E	00403 4
	63 A	22 kW / 350 A	KG64B	T103/17 E	00364 8	KG64B	T203/17 E	00404 1
	80 A	30 kW / 560 A	KG80	T103/17 E	00365 5	KG80	T203/17 E	00405 8
	100 A	37 kW / 650 A	KG100	T103/17 E	00366 2	KG100	T203/17 E	00406 5
88 x 88	80 A	30 kW / 560 A	KG80C	T103/17 E	01387 6	KG80C	T203/17 E	01393 7
	100 A	37 kW / 650 A	KG100C	T103/17 E	01388 3	KG100C	T203/17 E	01394 4
	125 A	45 kW / 750 A	KG125	T103/17 E	00368 6	KG125	T203/17 E	00408 9
	160 A	55 kW / 850 A	KG160	T103/17 E	00369 3	KG160	T203/17 E	00409 6
IP 65 ¹ 48 x 48 	20 A	5,5 kW / 120 A	KG10A	T103/20 E	01202 2	KG10A	T203/20 E	01214 5
	25 A	7,5 kW / 180 A	KG20A	T103/20 E	01204 6	KG20A	T203/20 E	01216 9
	32 A	11 kW / 220 A	KG32A	T103/20 E	01206 0	KG32A	T203/20 E	01218 3
64 x 64 	20 A	5,5 kW / 120 A	KG10B	T103/20 E	01203 9	KG10B	T203/20 E	01215 2
	25 A	7,5 kW / 180 A	KG20B	T103/20 E	01205 3	KG20B	T203/20 E	01217 6
	32 A	11 kW / 220 A	KG32B	T103/20 E	01207 7	KG32B	T203/20 E	01219 0
	40 A	15 kW / 300 A	KG41B	T103/20 E	01209 1	KG41B	T203/20 E	01221 3
	63 A	22 kW / 350 A	KG64B	T103/20 E	01211 4	KG64B	T203/20 E	01223 7
	80 A	30 kW / 560 A	KG80	T103/20 E	01212 1	KG80	T203/20 E	01224 4
	100 A	37 kW / 650 A	KG100	T103/20 E	01213 8	KG100	T203/20 E	01225 1
	80 A	30 kW / 560 A	KG80C	T103/20 E	00379 2	KG80C	T203/20 E	00419 5
	100 A	37 kW / 650 A	KG100C	T103/20 E	00380 8	KG100C	T203/20 E	00420 1
	125 A	45 kW / 750 A	KG125	T103/20 E	00382 2	KG125	T203/20 E	00422 5
88 x 88	160 A	55 kW / 850 A	KG160	T103/20 E	00383 9	KG160	T203/20 E	00423 2
	200 A	75 kW / 1100 A	KG210	T103/21 E	07528 7	KG210	T203/21 E	07529 4
	250 A	90 kW / 1380 A	KG250	T103/21 E	00385 3	KG250	T203/21 E	00425 6
	315 A	110 kW / 1650 A	KG315	T103/21 E	00386 0	KG315	T203/21 E	00426 3
	315 A	132 kW / 2000 A	C316	T103/21 E	00387 7	C316	T203/21 E	00427 0
	315 A	132 kW / 2000 A	C316	T103/21 E	00387 7	C316	T203/21 E	00427 0
	315 A	132 kW / 2000 A	C316	T103/21 E	00387 7	C316	T203/21 E	00427 0
130 x 130	315 A	132 kW / 2000 A	C316	T103/21 E	00387 7	C316	T203/21 E	00427 0

¹ C316 protection IP 40. Higher protection available on request.

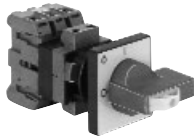
Main Switches and Main Switches with Emergency Function 3 pole + 1 cam- or rack-operated auxiliary contact (NO), for Four Hole Panel Mounting

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 88 x 88 	250 A 315 A	90 kW / 1380 A 110 kW / 1650 A	KG250 T103/70 E KG315 T103/70 E	01226 8 01227 5	KG250 T203/70 E KG315 T203/70 E	01228 2 01229 9

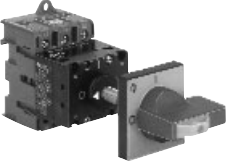
Main Switches and Main Switches with Emergency Function 3 pole + 1 cam-operated auxiliary contact (NO), for Single Hole Mounting 22 mm

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 64 x 64 	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10B T103/17 FT2 KG20B T103/17 FT2 KG32B T103/17 FT2	01302 9 00441 6 00442 3	KG10B T203/17 FT2 KG20B T203/17 FT2 KG32B T203/17 FT2	01303 6 00445 4 00446 1
IP 65 48 x 48 	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10A T103/20 FT2 KG20A T103/20 FT2 KG32A T103/20 FT2	01304 3 01306 7 01308 1	KG10A T203/20 FT2 KG20A T203/20 FT2 KG32A T203/20 FT2	01310 4 01312 8 01314 2
64 x 64	20 A 25 A 32 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A	KG10B T103/20 FT2 KG20B T103/20 FT2 KG32B T103/20 FT2	01305 0 01307 4 01309 8	KG10B T203/20 FT2 KG20B T203/20 FT2 KG32B T203/20 FT2	01311 1 01313 5 01315 9

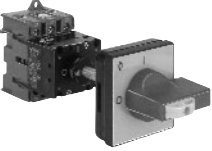
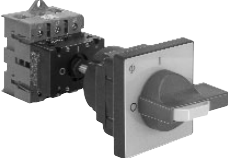
Main Switches and Main Switches with Emergency Function
3 pole + 1 cam-operated auxiliary contact (NO), for Base Mounting
with Door Clutch, Padlock Device and Single Hole Mounting 22 mm

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 48 x 48 	20 A 25 A 32 A 40 A 63 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	KG10A T103/72 VE KG20A T103/72 VE KG32A T103/72 VE KG41 T103/72 VE KG64 T103/72 VE	01342 5 01344 9 01346 3 01348 7 01350 0	KG10A T203/72 VE KG20A T203/72 VE KG32A T203/72 VE KG41 T203/72 VE KG64 T203/72 VE	01354 8 01356 2 01358 6 01360 9 01362 3
64 x 64	20 A 25 A 32 A 40 A 63 A 80 A 100 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG10B T103/72 VE KG20B T103/72 VE KG32B T103/72 VE KG41B T103/72 VE KG64B T103/72 VE KG80 T103/72 VE KG100 T103/72 VE	01343 2 01345 6 01347 0 01349 4 01351 7 01352 4 01353 1	KG10B T203/72 VE KG20B T203/72 VE KG32B T203/72 VE KG41B T203/72 VE KG64B T203/72 VE KG80 T203/72 VE KG100 T203/72 VE	01355 5 01357 9 01359 3 01361 6 01363 0 01364 7 01365 4
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	20 A 25 A 32 A 40 A 63 A 80 A 100 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG10B T103/95 VE KG20B T103/95 VE KG32B T103/95 VE KG41B T103/95 VE KG64B T103/95 VE KG80 T103/95 VE KG100 T103/95 VE	06427 4 06428 1 06429 8 06430 4 06431 1 06432 8 06433 5	KG10B T203/95 VE KG20B T203/95 VE KG32B T203/95 VE KG41B T203/95 VE KG64B T203/95 VE KG80 T203/95 VE KG100 T203/95 VE	06434 2 06435 9 06436 6 06437 3 06438 0 06439 7 06440 3
IP 65 64 x 64  Misalignment between the shaft and operator is compensated for by a centering device.	20 A 25 A 32 A 40 A 63 A 80 A 100 A	5,5 kW / 120 A 7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG10B T103/96 VE KG20B T103/96 VE KG32B T103/96 VE KG41B T103/96 VE KG64B T103/96 VE KG80 T103/96 VE KG100 T103/96 VE	06441 0 06442 7 06443 4 06444 1 06445 8 06446 5 06447 2	KG10B T203/96 VE KG20B T203/96 VE KG32B T203/96 VE KG41B T203/96 VE KG64B T203/96 VE KG80 T203/96 VE KG100 T203/96 VE	06448 9 06449 6 06450 2 06451 9 06452 6 06453 3 06454 0

Main Switches and Main Switches with Emergency Function 3 pole + 1 cam- or rack-operated auxiliary contact (NO), for Base Mounting with Door Clutch

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black		EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN- Code 9004257
IP 40 ¹ 64 x 64 	20 A	5,5 kW / 120 A	KG10B	T103/25 VE	01316 6	KG10B	T203/25 VE	01317 3
	25 A	7,5 kW / 180 A	KG20B	T103/25 VE	00449 2	KG20B	T203/25 VE	00463 8
	32 A	11 kW / 220 A	KG32B	T103/25 VE	00450 8	KG32B	T203/25 VE	00464 5
	40 A	15 kW / 300 A	KG41B	T103/25 VE	00451 5	KG41B	T203/25 VE	00465 2
	63 A	22 kW / 350 A	KG64B	T103/25 VE	00452 2	KG64B	T203/25 VE	00466 9
	80 A	30 kW / 560 A	KG80	T103/25 VE	00453 9	KG80	T203/25 VE	00467 6
	100 A	37 kW / 650 A	KG100	T103/25 VE	00454 6	KG100	T203/25 VE	00468 3
	88 x 88	125 A	KG125	T103/25 VE	00456 0	KG125	T203/25 VE	00470 6
	160 A	55 kW / 850 A	KG160	T103/25 VE	00457 7	KG160	T203/25 VE	00471 3
IP 65 48 x 48 	20 A	5,5 kW / 120 A	KG10A	T103/69 VE	01318 0	KG10A	T203/69 VE	01330 2
	25 A	7,5 kW / 180 A	KG20A	T103/69 VE	01320 3	KG20A	T203/69 VE	01332 6
	32 A	11 kW / 220 A	KG32A	T103/69 VE	01322 7	KG32A	T203/69 VE	01334 0
	64 x 64	20 A	KG10B	T103/69 VE	01319 7	KG10B	T203/69 VE	01331 9
		25 A	KG20B	T103/69 VE	01321 0	KG20B	T203/69 VE	01333 3
		32 A	KG32B	T103/69 VE	01323 4	KG32B	T203/69 VE	01335 7
		40 A	KG41B	T103/69 VE	01325 8	KG41B	T203/69 VE	01337 1
		63 A	KG64B	T103/69 VE	01327 2	KG64B	T203/69 VE	01339 5
		80 A	KG80	T103/69 VE	01328 9	KG80	T203/69 VE	01340 1
		100 A	KG100	T103/69 VE	01329 6	KG100	T203/69 VE	01341 8
IP 65 88 x 88  With integrated door clutch. The handle is restricted if the door is opened. In the I-position the door can be opened with a special key. Possible misalignment of the shaft can be compensated for by the door clutch. To open the door in the I-position an unlock insert S1D M700 29 is available on request. See page 33.	25 A	7,5 kW / 180 A	KG20B	T103/28 VE	01625 9	KG20B	T203/28 VE	00513 0
	32 A	11 kW / 220 A	KG32B	T103/28 VE	00484 3	KG32B	T203/28 VE	00514 7
	40 A	15 kW / 300 A	KG41B	T103/28 VE	00485 0	KG41B	T203/28 VE	00515 4
	63 A	22 kW / 350 A	KG64B	T103/28 VE	00486 7	KG64B	T203/28 VE	00516 1
	80 A	30 kW / 560 A	KG80	T103/28 VE	00487 4	KG80	T203/28 VE	00517 8
	100 A	37 kW / 650 A	KG100	T103/28 VE	00488 1	KG100	T203/28 VE	00518 5
	125 A	45 kW / 750 A	KG125	T103/28 VE	00490 4	KG125	T203/28 VE	00520 8
	160 A	55 kW / 850 A	KG160	T103/28 VE	00491 1	KG160	T203/28 VE	00521 5
	200 A	75 kW / 1100 A	KG210	T103/29 VE	07530 0	KG210	T203/29 VE	07531 7
	250 A	90 kW / 1380 A	KG250	T103/29 VE	00493 5	KG250	T203/29 VE	00523 9
	315 A	110 kW / 1650 A	KG315	T103/29 VE	00494 2	KG315	T203/29 VE	00524 6
	315 A	132 kW / 2000 A	C316	T103/29 VE	00495 9	C316	T203/29 VE	00525 3

¹Higher protection available on request.

Main Switches and Main Switches with Emergency Function

3 pole, for Four Hole Panel Mounting

with Under-voltage Release² (coil voltage 230 V independent of frequency, from 50 A for 50 Hz)

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches	EAN-Code 9004257	Main Switches with Emergency Function	EAN-Code 9004257
Protection Escutcheon plate in mm			Handle black		Handle red Contrasting yellow plate	
IP 65 ¹ 64 x 64	20 A 25 A 32 A 50 A 63 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A 22 kW / 360 A 30 kW / 550 A	CA10Z T103/01 EGF CA20Z T103/01 EGF CA25Z T103/01 EGF C32 T103/82 E C42 T103/82 E	06676 6 06680 3 06684 1 03184 9 03186 3	CA10Z T203/01 EGF CA20Z T203/01 EGF CA25Z T203/01 EGF C32 T203/82 E C42 T203/82 E	06677 3 06681 0 06685 8 03192 4 03194 8
IP 65 48 x 48	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T103/04 EF CA20Z T103/04 EF CA25Z T103/04 EF	06688 9 06696 4 06704 6	CA10Z T203/04 EF CA20Z T203/04 EF CA25Z T203/04 EF	06689 6 06697 1 06705 3
64 x 64	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T103/04 EGF CA20Z T103/04 EGF CA25Z T103/04 EGF	06692 6 06700 8 06708 4	CA10Z T203/04 EGF CA20Z T203/04 EGF CA25Z T203/04 EGF	06693 3 06701 5 06709 1

Main Switches and Main Switches with Emergency Function

3 pole, for Single Hole Mounting 22 mm

with Under-voltage Release² (coil voltage 230 V independent of frequency)

Version	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches	EAN-Code 9004257	Main Switches with Emergency Function	EAN-Code 9004257
Protection Escutcheon plate in mm			Handle black		Handle red Contrasting yellow plate	
IP 65 64 x 64	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T103/01 FH3 CA20Z T103/01 FH3 CA25Z T103/01 FH3	06712 1 06716 9 06720 6	CA10Z T203/01 FH3 CA20Z T203/01 FH3 CA25Z T203/01 FH3	06713 8 06717 6 06721 3
IP 65 48 x 48	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T103/04 FT2 CA20Z T103/04 FT2 CA25Z T103/04 FT2	06724 4 06728 2 06732 9	CA10Z T203/04 FT2 CA20Z T203/04 FT2 CA25Z T203/04 FT2	06725 1 06729 9 06733 6

¹C32 and C42 protection IP 40. ²Ambient temperature: 35 °C during 24 hours with peaks up to 40 °C.

Main Switches and Main Switches with Emergency Function

4 pole, for Four Hole Panel Mounting

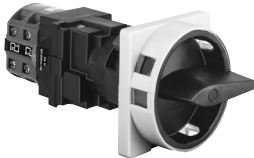
with Under-voltage Release² (coil voltage 230 V independent of frequency, from 50 A for 50 Hz)

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 ¹ 64 x 64 	20 A 25 A 32 A 50 A 63 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A 22 kW / 360 A 30 kW / 550 A	CA10Z T104/01 EGF CA20Z T104/01 EGF CA25Z T104/01 EGF C32 T104/82 E C42 T104/82 E	06678 0 06682 7 06686 5 03185 6 03187 0	CA10Z T204/01 EGF CA20Z T204/01 EGF CA25Z T204/01 EGF C32 T204/82 E C42 T204/82 E	06679 7 06683 4 06687 2 03193 1 03195 5
IP 65 48 x 48 	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T104/04 EF CA20Z T104/04 EF CA25Z T104/04 EF	06690 2 06698 8 06706 0	CA10Z T204/04 EF CA20Z T204/04 EF CA25Z T204/04 EF	06691 9 06699 5 06707 7
64 x 64	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T104/04 EGF CA20Z T104/04 EGF CA25Z T104/04 EGF	06694 0 06702 2 06710 7	CA10Z T204/04 EGF CA20Z T204/04 EGF CA25Z T204/04 EGF	06695 7 06703 9 06711 4

Main Switches and Main Switches with Emergency Function

4 pole, for Single Hole Mounting 22 mm

with Under-voltage Release² (coil voltage 230 V independent of frequency)

Version Protection Escutcheon plate in mm	Thermal Current I_u/I_{th}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle black	EAN- Code 9004257	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN- Code 9004257
IP 65 64 x 64 	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T104/01 FH3 CA20Z T104/01 FH3 CA25Z T104/01 FH3	06714 5 06718 3 06722 0	CA10Z T204/01 FH3 CA20Z T204/01 FH3 CA25Z T204/01 FH3	06715 2 06719 0 06723 7
IP 65 48 x 48 	20 A 25 A 32 A	7,5 kW / 130 A 11 kW / 180 A 15 kW / 250 A	CA10Z T104/04 FT2 CA20Z T104/04 FT2 CA25Z T104/04 FT2	06726 8 06730 5 06734 3	CA10Z T204/04 FT2 CA20Z T204/04 FT2 CA25Z T204/04 FT2	06727 5 06731 2 06735 0

¹C32 and C42 protection IP 40. ²Ambient temperature: 35 °C during 24 hours with peaks up to 40 °C.

Maintenance and Safety Switches

3 pole, in Plastic Enclosure (conduit entries for metric¹ threads)

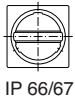
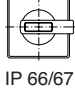
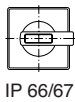
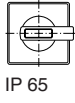
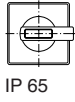
Version		Thermal Current	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray Handle black		EAN-Code	Main Switches with Emergency Function		EAN-Code				
Padlock Device Protection		I_{the}		 		9004257	Handle red Contrasting yellow plate		9004257				
	 IP 66/67	20 A 25 A	5,5 kW / 120 A 7,5 kW / 180 A	KG10 KG20	T103/33 KS51V T103/33 KS51V	06743 5 06744 2	KG10 KG20	T203/33 KS51V T203/33 KS51V	06773 2 06774 9				
	 IP 66/67	20 A 25 A	5,5 kW / 120 A 7,5 kW / 180 A	KG10 KG20	T103/75 KS51 T103/75 KS51	06745 9 06746 6	KG10 KG20	T203/75 KS51 T203/75 KS51	06775 6 06776 3				
	 IP 66/67	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20 KG32 KG41 KG64 KG80 KG100	T103/33 KL51V T103/33 KL51V ² T103/33 KL11V T103/33 KL11V T103/33 KL71V T103/33 KL71V	06747 3 06748 0 06749 7 06750 3 07454 9 07456 3	KG20 KG32 KG41 KG64 KG80 KG100	T203/33 KL51V T203/33 KL51V ² T203/33 KL11V T203/33 KL11V T203/33 KL71V T203/33 KL71V	06777 0 06778 7 06779 4 06780 0 07455 6 07457 0				
		 IP 66/67	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20 KG32 KG41 KG64 KG80 KG100	T103/75 KL51 T103/75 KL51 ² T103/75 KL11 T103/75 KL11 T103/75 KL71 T103/75 KL71	06753 4 06754 1 06755 8 06756 5 07279 8 07280 4	KG20 KG32 KG41 KG64 KG80 KG100	T203/75 KL51 T203/75 KL51 ² T203/75 KL11 T203/75 KL11 T203/75 KL71 T203/75 KL71	06783 1 06784 8 06785 5 06786 2 07281 1 07282 8			
				 IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 KG160	T103/34 STM T103/34 STM	06759 6 06760 2	KG125 KG160	T203/34 STM T203/34 STM	06789 3 06790 9	
					125 A 160 A 250 A 315 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW/1650 A 132 kW/2000 A	KG125 KG160 KG250 KG315 C316	T103/76 STM T103/76 STM T103/36 STM T103/36 STM ³ T103/37 STM ³	06761 9 06762 6 06763 3 06764 0 06765 7	KG125 KG160 KG250 KG315 C316	T203/76 STM T203/76 STM T203/36 STM T203/36 STM ³ T203/37 STM ³	06791 6 06792 3 06793 0 06794 7 06795 4	
							Oversized Wiring Space		Oversized Wiring Space				
	 IP 65						125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 KG160	T103/38 STM T103/38 STM	06766 4 06767 1	KG125 KG160	T203/38 STM T203/38 STM
		125 A 160 A 250 A 315 A 315 A					45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW/1650 A 132 kW/2000 A	KG125 KG160 KG250 KG315 C316	T103/36 STM T103/36 STM T103/39 STM ³ T103/39 STM ³ T103/39 STM ³	06768 8 06769 5 06770 1 06771 8 06772 5	KG125 KG160 KG250 KG315 C316	T203/36 STM T203/36 STM T203/39 STM ³ T203/39 STM ³ T203/39 STM ³	06798 5 06799 2 06800 5 06801 2 06802 9

¹Enclosures with conduit entries for PG thread continue to be available. ²For conduit entries M25 in place of M20 the ordering data changes from KL51V to KL11V and from KL51 to KL11. ³Switches with cable glands. To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Maintenance and Safety Switches

**3 pole + 2 cam- or rack-operated auxiliary contacts (1 NO, 1 NC),
in Plastic Enclosure** (conduit entries for metric¹ threads)

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version	Thermal Current I_{the}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray Handle black	EAN-Code	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN-Code
  IP 66/67  IP 66/67	20 A	5,5 kW / 120 A	KG10 T103/40 KS51V	06803 6	KG10 T203/40 KS51V	06804 3
	20 A	5,5 kW / 120 A	KG10 T103/78 KS51	06805 0	KG10 T203/78 KS51	06806 7
  IP 66/67	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20 T103/40 KL51V KG32 T103/40 KL51V ² KG41 T103/40 KL11V KG64 T103/40 KL11V KG80 T103/40 KL71V KG100 T103/40 KL71V	06807 4 06809 8 06811 1 06813 5 07458 7 07460 0	KG20 T203/40 KL51V KG32 T203/40 KL51V ² KG41 T203/40 KL11V KG64 T203/40 KL11V KG80 T203/40 KL71V KG100 T203/40 KL71V	06808 1 06810 4 06812 8 06814 2 07459 4 07461 7
 IP 66/67	25 A 32 A 40 A 63 A 80 A 100 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A 30 kW / 560 A 37 kW / 650 A	KG20 T103/78 KL51 KG32 T103/78 KL51 ² KG41 T103/78 KL11 KG64 T103/78 KL11 KG80 T103/78 KL71 KG100 T103/78 KL71	06819 7 06821 0 06823 4 06825 8 06827 2 06829 6	KG20 T203/78 KL51 KG32 T203/78 KL51 ² KG41 T203/78 KL11 KG64 T203/78 KL11 KG80 T203/78 KL71 KG100 T203/78 KL71	06820 3 06822 7 06824 1 06826 5 06828 9 06830 2
  IP 65  IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 T103/41 STM KG160 T103/41 STM	06831 9 06833 3	KG125 T203/41 STM KG160 T203/41 STM	06832 6 06834 0
	125 A 160 A 250 A 315 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW / 1650 A 132 kW / 2000 A	KG125 T103/79 STM KG160 T103/79 STM KG250 T103/43 STM KG315 T103/43 STM ³ C316 T103/44 STM ³	06835 7 06837 1 06839 5 06841 8 06843 2	KG125 T203/79 STM KG160 T203/79 STM KG250 T203/43 STM KG315 T203/43 STM ³ C316 T203/44 STM ³	06836 4 06838 8 06840 1 06842 5 06844 9
			Oversized Wiring Space			
  IP 65  IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 T103/45 STM KG160 T103/45 STM	06845 6 06847 0	KG125 T203/45 STM KG160 T203/45 STM	06846 3 06848 7
	125 A 160 A 250 A 315 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW / 1650 A 132 kW / 2000 A	KG125 T103/43 STM KG160 T103/43 STM KG250 T103/46 STM ³ KG315 T103/46 STM ³ C316 T103/46 STM ³	06849 4 06851 7 06853 1 06855 5 06857 9	KG125 T203/43 STM KG160 T203/43 STM KG250 T203/46 STM ³ KG315 T203/46 STM ³ C316 T203/46 STM ³	06850 0 06852 4 06854 8 06856 2 06858 6

¹Enclosures with conduit entries for PG thread continue to be available. ²For conduit entries M25 in place of M20 the ordering data changes from KL51V to KL11V and from KL51 to KL11. ³Switches with cable glands. To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Maintenance and Safety Switches

4 pole, in Plastic Enclosure (conduit entries for metric¹ threads)

Version		Thermal Current	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray  Handle black  		EAN-Code	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN-Code
	Padlock Device Protection	I_{the}				9004257			9004257
	 IP 66/67	20 A 16 A	5,5 kW / 120 A 7,5 kW / 160 A	KG10 KH16	T104/33 KS51V T104/33 KS51V	06859 3 08805 8	KG10 KH16	T204/33 KS51V T204/33 KS51V	06860 9 08807 2
	 IP 66/67	20 A 16 A	5,5 kW / 120 A 7,5 kW / 160 A	KG10 KH16	T104/75 KS51 T104/75 KS51	06863 0 08806 5	KG10 KH16	T204/75 KS51 T204/75 KS51	06864 7 08808 9
	 IP 66/67	20 A	10 kW / 200 A	KH20	T104/33 KL11V	08809 6	KH20	T204/33 KL11V	08810 2
		25 A	12 kW / 250 A	KH25	T104/33 KL11V	08811 9	KH25	T204/33 KL11V	08812 6
		32 A	16 kW / 300 A	KH32	T104/33 KL11V	08813 3	KH32	T204/33 KL11V	08837 9
		40 A	20 kW / 380 A	KH40	T104/33 KL11V	08814 0	KH40	T204/33 KL11V	08838 6
		63 A	30 kW / 500 A	KH63	T104/33 KL71V	08815 7	KH63	T204/33 KL71V	08839 3
		80 A	40 kW / 630 A	KH80	T104/33 KL71V	08816 4	KH80	T204/33 KL71V	08840 9
		100 A	37 kW / 650 A	KG100	T104/33 KL71V	07464 8	KG100	T204/33 KL71V	07465 5
 IP 66/67		20 A	10 kW / 200 A	KH20	T104/75 KL11	08817 1	KH20	T204/75 KL11	08841 6
		25 A	12 kW / 250 A	KH25	T104/75 KL11	08818 8	KH25	T204/75 KL11	08842 3
		32 A	16 kW / 300 A	KH32	T104/75 KL11	08819 5	KH32	T204/75 KL11	08843 0
		40 A	20 kW / 380 A	KH40	T104/75 KL11	08820 1	KH40	T204/75 KL11	08844 7
		63 A	30 kW / 500 A	KH63	T104/75 KL71	08861 4	KH63	T204/75 KL71	08845 4
		80 A	40 kW / 630 A	KH80	T104/75 KL71	08862 1	KH80	T204/75 KL71	08846 1
		100 A	37 kW / 650 A	KG100	T104/75 KL71	06889 0	KG100	T204/75 KL71	06890 6
	 IP 65	125 A	45 kW / 750 A	KG125	T104/35 STM	06891 3	KG125	T204/35 STM	06892 0
		160 A	55 kW / 850 A	KG160	T104/35 STM	06893 7	KG160	T204/35 STM	06894 4
		125 A	45 kW / 750 A	KG125	T104/77 STM	06895 1	KG125	T204/77 STM	06896 8
		160 A	55 kW / 850 A	KG160	T104/77 STM	06897 5	KG160	T204/77 STM	06898 2
		250 A	90 kW / 1380 A	KG250	T104/36 STM	06899 9	KG250	T204/36 STM	06900 2
		315 A	110 kW / 1650 A	KG315	T104/36 STM ²	06901 9	KG315	T204/36 STM ²	06902 6
		315 A	132 kW / 2000 A	C316	T104/37 STM ²	06903 3	C316	T204/37 STM ²	06904 0
				Oversized Wiring Space					
	 IP 65	125 A	45 kW / 750 A	KG125	T104/38 STM	06905 7	KG125	T204/38 STM	06906 4
		160 A	55 kW / 850 A	KG160	T104/38 STM	06907 1	KG160	T204/38 STM	06908 8
		125 A	45 kW / 750 A	KG125	T104/36 STM	06909 5	KG125	T204/36 STM	06910 1
		160 A	55 kW / 850 A	KG160	T104/36 STM	06911 8	KG160	T204/36 STM	06912 5
		250 A	90 kW / 1380 A	KG250	T104/47 STM ²	06913 2	KG250	T204/47 STM ²	06914 9
		315 A	110 kW / 1650 A	KG315	T104/47 STM ²	06915 6	KG315	T204/47 STM ²	06916 3
		315 A	132 kW / 2000 A	C316	T104/39 STM ²	06917 0	C316	T204/39 STM ²	06918 7

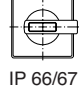
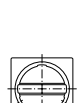
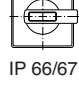
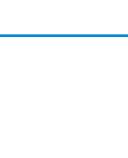
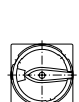
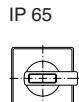
¹Enclosures with conduit entries for PG thread continue to be available. ²Switches with cable glands.

To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Maintenance and Safety Switches

**4 pole + 2 cam- or rack-operated auxiliary contacts (1 NO, 1 NC),
in Plastic Enclosure** (conduit entries for metric¹ threads)

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

Version	Thermal Current I_{the}	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray Handle black	EAN-Code	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN-Code
  IP 66/67	20 A 16 A	5,5 kW / 120 A 7,5 kW / 160 A	KG10 T104/40 KS51V KH16 T104/40 KS51V	06919 4 08823 2	KG10 T204/40 KS51V KH16 T204/40 KS51V	06920 0 08847 8
  IP 66/67	20 A 16 A	5,5 kW / 120 A 7,5 kW / 160 A	KG10 T104/78 KS51 KH16 T104/78 KS51	06921 7 08824 9	KG10 T204/78 KS51 KH16 T204/78 KS51	06922 4 08848 5
  IP 66/67	20 A 25 A 32 A 40 A 63 A 80 A 100 A	10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH20 T104/40 KL11V KH25 T104/40 KL11V KH32 T104/40 KL11V KH40 T104/40 KL11V KH63 T104/40 KL71V KH80 T104/40 KL71V KG100 T104/40 KL71V	08825 6 08826 3 08827 0 08828 7 08829 4 08830 0 07468 6	KH20 T204/40 KL11V KH25 T204/40 KL11V KH32 T204/40 KL11V KH40 T204/40 KL11V KH63 T204/40 KL71V KH80 T204/40 KL71V KG100 T204/40 KL71V	08849 2 08850 8 08851 5 08852 2 08853 9 08854 6 07469 3
  IP 66/67	20 A 25 A 32 A 40 A 63 A 80 A 100 A	10 kW / 200 A 12 kW / 250 A 16 kW / 300 A 20 kW / 380 A 30 kW / 500 A 40 kW / 630 A 37 kW / 650 A	KH20 T104/78 KL11 KH25 T104/78 KL11 KH32 T104/78 KL11 KH40 T104/78 KL11 KH63 T104/78 KL71 KH80 T104/78 KL71 KG100 T104/78 KL71	08831 7 08832 4 08833 1 08834 8 08835 5 08836 2 06945 3	KH20 T204/78 KL11 KH25 T204/78 KL11 KH32 T204/78 KL11 KH40 T204/78 KL11 KH63 T204/78 KL71 KH80 T204/78 KL71 KG100 T204/78 KL71	08855 3 08856 0 08857 7 08858 4 08859 1 08860 7 06946 0
  IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 T104/42 STM KG160 T104/42 STM	06947 7 06949 1	KG125 T204/42 STM KG160 T204/42 STM	06948 4 06950 7
  IP 65	125 A 160 A 250 A 315 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW / 1650 A 132 kW / 2000 A	KG125 T104/80 STM KG160 T104/80 STM KG250 T104/43 STM KG315 T104/43 STM ² C316 T104/44 STM ²	06951 4 06953 8 06955 2 06957 6 06959 0	KG125 T204/80 STM KG160 T204/80 STM KG250 T204/43 STM KG315 T204/43 STM ² C316 T204/44 STM ²	06952 1 06954 5 06956 9 06958 3 06960 6
			Oversized Wiring Space			
  IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 T104/45 STM KG160 T104/45 STM	06961 3 06963 7	KG125 T204/45 STM KG160 T204/45 STM	06962 0 06964 4
 IP 65	125 A 160 A 250 A 315 A 315 A	45 kW / 750 A 55 kW / 850 A 90 kW / 1380 A 110 kW / 1650 A 132 kW / 2000 A	KG125 T104/43 STM KG160 T104/43 STM KG250 T104/48 STM ² KG315 T104/48 STM ² C316 T104/46 STM ²	06965 1 06967 5 06969 9 06971 2 06973 6	KG125 T204/43 STM KG160 T204/43 STM KG250 T204/48 STM ² KG315 T204/48 STM ² C316 T204/46 STM ²	06966 8 06968 2 06970 5 06972 9 06974 3

¹Enclosures with conduit entries for PG thread continue to be available. ²Switches with cable glands.

To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Maintenance and Safety Switches

6 pole, in Plastic Enclosure (conduit entries for metric¹ threads)

Version		Thermal Current	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray Handle black		EAN-Code	Main Switches with Emergency Function Handle red Contrasting yellow plate		EAN-Code
Padlock Device Protection		I_{the}				9004257			9004257
	 IP 66/67	20 A	5,5 kW / 120 A	KG10	T106/33 KS51V	06975 0	KG10	T206/33 KS51V	06976 7
	 IP 66/67	20 A	5,5 kW / 120 A	KG10	T106/75 KS51	06977 4	KG10	T206/75 KS51	06978 1
	 IP 66/67	25 A	7,5 kW / 180 A	KG20B	T106/33 KL11V	06979 8	KG20B	T206/33 KL11V	06980 4
		32 A	11 kW / 220 A	KG32B	T106/33 KL11V	06981 1	KG32B	T206/33 KL11V	06982 8
		40 A	15 kW / 300 A	KG41B	T106/33 KL71V	07470 9	KG41B	T206/33 KL71V	07471 6
		63 A	22 kW / 350 A	KG64B	T106/33 KL71V	07472 3	KG64B	T206/33 KL71V	07473 0
	 IP 66/67	25 A	7,5 kW / 180 A	KG20B	T106/75 KL11	06987 3	KG20B	T206/75 KL11	06988 0
		32 A	11 kW / 220 A	KG32B	T106/75 KL11	06989 7	KG32B	T206/75 KL11	06990 3
		40 A	15 kW / 300 A	KG41B	T106/75 KL71	06991 0	KG41B	T206/75 KL71	06992 7
		63 A	22 kW / 350 A	KG64B	T106/75 KL71	06993 4	KG64B	T206/75 KL71	06994 1
	 IP 65	80 A	30 kW / 560 A	KG80C	T106/34 STM	06995 8	KG80C	T206/34 STM	06996 5
		100 A	37 kW / 650 A	KG100C	T106/34 STM	06997 2	KG100C	T206/34 STM	06998 9
		125 A	45 kW / 750 A	KG125	T106/84 STM	06999 6	KG125	T206/84 STM	07000 8
		160 A	55 kW / 850 A	KG160	T106/84 STM	07001 5	KG160	T206/84 STM	07002 2
	 IP 65	80 A	30 kW / 560 A	KG80C	T106/76 STM	07003 9	KG80C	T206/76 STM	07004 6
		100 A	37 kW / 650 A	KG100C	T106/76 STM	07005 3	KG100C	T206/76 STM	07006 0
		125 A	45 kW / 750 A	KG125	T106/85 STM	07007 7	KG125	T206/85 STM	07008 4
		160 A	55 kW / 850 A	KG160	T106/85 STM	07009 1	KG160	T206/85 STM	07010 7
		275 A	132 kW/2000 A	C316	T106/39 STM ²	07011 4	C316	T206/39 STM ²	07012 1
				Oversized Wiring Space					
	 IP 65	125 A	45 kW / 750 A	KG125	T106/86 STM	07013 8	KG125	T206/86 STM	07014 5
		160 A	55 kW / 850 A	KG160	T106/86 STM	07015 2	KG160	T206/86 STM	07016 9
	 IP 65	125 A	45 kW / 750 A	KG125	T106/87 STM	07017 6	KG125	T206/87 STM	07018 3
		160 A	55 kW / 850 A	KG160	T106/87 STM	07019 0	KG160	T206/87 STM	07020 6
		275 A	132 kW/2000 A	C316	T106/47 STM ²	07021 3	C316	T206/47 STM ²	07022 0

¹Enclosures with conduit entries for PG thread continue to be available. ²Switches with cable glands.

To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Maintenance and Safety Switches

**6 pole + 2 cam-operated auxiliary contacts (1 NO, 1 NC),
in Plastic Enclosure** (conduit entries for metric¹ threads)

Auxiliary contacts with special contact systems allow for use in low voltage and current applications as well aggressive environments.

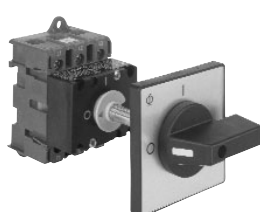
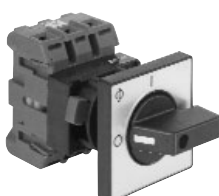
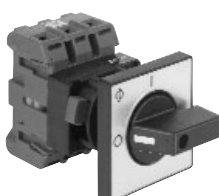
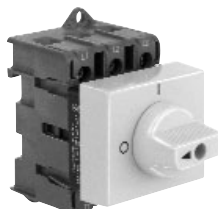
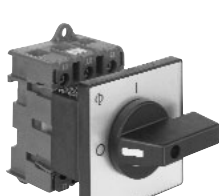
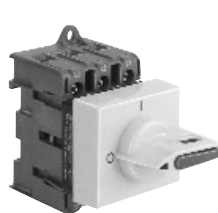
Version	Thermal Current	Ratings AC-23A, AC-23B Breaking Capacity 3 x 380 V/440 V	Main Switches Handle electro-gray Handle black	EAN-Code	Main Switches with Emergency Function Handle red Contrasting yellow plate	EAN-Code
  IP 66/67	20 A	5,5 kW / 120 A	KG10 T106/40 KS51V	07023 7	KG10 T206/40 KS51V	07024 4
  IP 66/67	25 A 32 A 40 A 63 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	KG20B T106/40 KL11V KG32B T106/40 KL11V KG41B T106/40 KL71V KG64B T106/40 KL71V	07025 1 07027 5 07474 7 07476 1	KG20B T206/40 KL11V KG32B T206/40 KL11V KG41B T206/40 KL71V KG64B T206/40 KL71V	07026 8 07028 2 07475 4 07477 8
 IP 66/67	25 A 32 A 40 A 63 A	7,5 kW / 180 A 11 kW / 220 A 15 kW / 300 A 22 kW / 350 A	KG20B T106/78 KL11 KG32B T106/78 KL11 KG41B T106/78 KL71 KG64B T106/78 KL71	07033 6 07035 0 07037 4 07039 8	KG20B T206/78 KL11 KG32B T206/78 KL11 KG41B T206/78 KL71 KG64B T206/78 KL71	07034 3 07036 7 07038 1 07040 4
  IP 65	80 A 100 A 125 A 160 A	30 kW / 560 A 37 kW / 650 A 45 kW / 750 A 55 kW / 850 A	KG80C T106/41 STM KG100C T106/41 STM KG125 T106/88 STM KG160 T106/88 STM	07041 1 07043 5 07045 9 07047 3	KG80C T206/41 STM KG100C T206/41 STM KG125 T206/88 STM KG160 T206/88 STM	07042 8 07044 2 07046 6 07048 0
 IP 65	80 A 100 A 125 A 160 A 275 A	30 kW / 560 A 37 kW / 650 A 45 kW / 750 A 55 kW / 850 A 132 kW/2000 A	KG80C T106/79 STM KG100C T106/79 STM KG125 T106/89 STM KG160 T106/89 STM C316 T106/46 STM ²	07049 7 07051 0 07053 4 07055 8 07057 2	KG80C T206/79 STM KG100C T206/79 STM KG125 T206/89 STM KG160 T206/89 STM C316 T206/46 STM ²	07050 3 07052 7 07054 1 07056 5 07058 9
			Oversized Wiring Space			
  IP 65	125 A 160 A	45 kW / 750 A 55 kW / 850 A	KG125 T106/90 STM KG160 T106/90 STM	07059 6 07061 9	KG125 T206/90 STM KG160 T206/90 STM	07060 2 07062 6
 IP 65	125 A 160 A 275 A	45 kW / 750 A 55 kW / 850 A 132 kW/2000 A	KG125 T106/91 STM KG160 T106/91 STM C316 T106/48 STM ²	07063 3 07065 7 07067 1	KG125 T206/91 STM KG160 T206/91 STM C316 T206/48 STM ²	07064 0 07066 4 07068 8

¹Enclosures with conduit entries for PG thread continue to be available. ²Switches with cable glands.

To meet the conditions of EMC (Electro Magnetic Compatibility) for connection of frequency regulated motors, maintenance switches are available with shield clips. These clips are used to continue the cable shield circuit through the enclosure.

Switch Disconnectors ○ – |

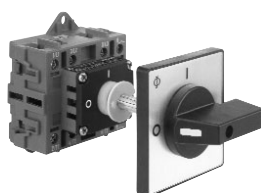
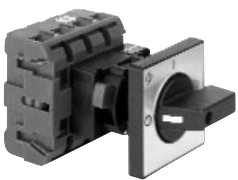
3 pole, Types of Mounting

Technical Data		KG20A KG32A KG10A KG20B KG32B KG41 KG64 KG80 KG100 KG10B KG21A ² KG33A ² KG41B KG64B KG80C KG100C KG125 KG160 KG210 KG250 KG315 C316												
Ratings														
3 x 380 V/440 V														
AC-23A, AC-23B	kW	5,5	7,5	11	15	22	30	37	45	55	75	90	110	132
AC-3	kW	3,7	5,5	7,5	11	18,5	22	30	37	45	55	55	75	55
Thermal Current I _u /I _{th}	A	20	25	32	40	63	80	100	125	160	200	250	315	315
Version	Four Hole Panel Mounting	EAN-Code		Version		Base Mounting		EAN-Code						
Protection		9004257		Protection				9004257						
IP 65 ¹ 	KG10A T303 E KG10B T303 E KG20A T303 E KG20B T303 E KG32A T303 E KG32B T303 E KG41 T303 E KG41B T303 E KG64 T303 E KG64B T303 E KG80 T303 E KG80C T303 E KG100 T303 E KG100C T303 E KG125 T303 E KG160 T303 E KG210 T303 E KG250 T303 E KG315 T303 E C316 T303 E	01096 7 01286 2 00799 8 00800 1 00801 8 00802 5 00803 2 00804 9 00805 6 00806 3 00807 0 00808 7 00809 4 00810 0 00812 4 00813 1 07532 4 00815 5 00816 2 00817 9		IP 40 	KG80 T303 VE KG80C T303 VE KG100 T303 VE KG100C T303 VE KG125 T303 VE KG160 T303 VE KG210 T303 VE KG250 T303 VE KG315 T303 VE C316 T303 VE		00828 5 00829 2 00830 8 00831 5 00833 9 00834 6 08371 8 00836 0 00837 7 00838 4							
		and shaft extension												
IP 65 	Single Hole Mounting 22 mm KG10A T303 FT2 KG20A T303 FT2 KG32A T303 FT2	02602 9 02603 6 02604 3			KG10A T303/57 VE KG10B T303/57 VE KG20A T303/57 VE KG20B T303/57 VE KG32A T303/57 VE KG32B T303/57 VE KG41B T303/57 VE KG64B T303/57 VE KG80 T303/57 VE KG80C T303/57 VE KG100 T303/57 VE KG100C T303/57 VE KG125 T303/57 VE KG160 T303/57 VE KG210 T303/57 VE KG250 T303/57 VE KG315 T303/57 VE C316 T303/57 VE		01289 3 01290 9 00839 1 00840 7 00841 4 00842 1 00843 8 00844 5 00845 2 00846 9 00847 6 00848 3 00850 6 00851 3 07533 1 00853 7 00854 4 00855 1							
On request 	Direct-mounting on Printed Circuit Board KG21A T303 E KG33A T303 E	03234 1 03235 8			Base Mounting for Track Esc. plate for 45 mm standard knock-out									
					KG10A T303 VE21 KG20A T303 VE2 KG32A T303 VE2 KG41 T303 VE2 KG64 T303 VE2 KG80 T303 VE2 KG100 T303 VE2		01288 6 00856 8 00857 5 00858 2 00859 9 00860 5 00861 2							
IP 40 	Base Mounting KG10A T303 VE KG10B T303 VE KG20A T303 VE KG20B T303 VE KG32A T303 VE KG32B T303 VE KG41 T303 VE KG41B T303 VE KG64 T303 VE KG64B T303 VE	01098 1 01287 9 00820 9 00821 6 00822 3 00823 0 00824 7 00825 4 00826 1 00827 8			and padlock device for padlocks									
					KG10A T303/58 VE21 KG20A T303/58 VE2 KG32A T303/58 VE2 KG41 T303/58 VE2 KG64 T303/58 VE2 KG80 T303/58 VE2 KG100 T303/58 VE2		01291 6 00862 9 00863 6 00864 3 00865 0 00866 7 00867 4							

¹C316 protection IP 40. Higher protection available on request. ²Further technical data for special applications on printed circuit boards on request.

Switch Disconnectors ○ – |

4 pole, Types of Mounting

Technical Data		KH16 KH20 KH25 KH16B KH20B KH25B KH32 KH40 KH63 KH80								KG80 KG100 KG80C KG100C KG125 KG160 KG210 KG250 KG315 C316							
Ratings 3 x 380 V/440 V AC-23A, AC-23B kW AC-3 kW Thermal Current I _u /I _{th} A																	
		7,5	10	12	16	20	30	40	30	37	45	55	75	90	110	132	
		5,5	6,5	7,5	11	15	22	30	22	30	37	45	55	55	75	55	
		16	20	25	32	40	63	80	80	100	125	160	200	250	315	315	
Version Protection		Four Hole Panel Mounting				EAN- Code 9004257		Version Protection				Base Mounting				EAN- Code 9004257	
IP 65 ¹ 		KH16 T304 E KH16B T304 E KH20 T304 E KH20B T304 E KH25 T304 E KH25B T304 E KH32 T304 E KH40 T304 E KH63 T304 E KH80 T304 E KG80C T304 E KG100 T304 E KG100C T304 E KG125 T304 E KG160 T304 E KG210 T304 E KG250 T304 E KG315 T304 E C316 T304 E				07069 5 07070 1 07071 8 07072 5 07073 2 07074 9 06544 8 06545 5 07536 2 07537 9 00877 3 00878 0 00879 7 00881 0 00882 7 07534 8 00884 1 00885 8 00886 5		IP 40 				KG160 T304 VE KG210 T304 VE KG250 T304 VE KG315 T304 VE C316 T304 VE				00903 9 07535 5 00905 3 00906 0 00907 7	
												and shaft extension					
												KH16 T304/57 VE KH16B T304/57 VE KH20 T304/57 VE KH20B T304/57 VE KH25 T304/57 VE KH25B T304/57 VE KH32 T304/57 VE KH40 T304/57 VE KH63 T304/57 VE KH80 T304/57 VE KG80C T304/57 VE KG100 T304/57 VE KG100C T304/57 VE KG125 T304/57 VE KG160 T304/57 VE KG210 T304/57 VE KG250 T304/57 VE KG315 T304/57 VE C316 T304/57 VE				07084 8 07085 5 07086 2 07087 9 07088 6 07089 3 06548 6 06549 3 07538 6 07539 3 00915 2 00916 9 00917 6 00919 0 00920 6 07540 9 00922 0 00923 7 00924 4	
IP 65 		Single Hole Mounting 22 mm															
		KH16 T304 FT2 KH20 T304 FT2 KH25 T304 FT2				07075 6 07076 3 07077 0											
IP 40 		Base Mounting															
		KH16 T304 VE KH16B T304 VE KH20 T304 VE KH20B T304 VE KH25 T304 VE KH25B T304 VE KH32 T304 VE KH40 T304 VE KH63 T304 VE KH80 T304 VE KG80C T304 VE KG100 T304 VE KG100C T304 VE KG125 T304 VE				07078 7 07079 4 07080 0 07081 7 07082 4 07083 1 06546 2 06547 9 07541 6 07542 3 00898 8 00899 5 00900 8 00902 2											

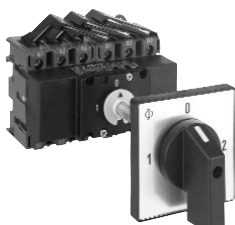
¹ C316 protection IP 40. Higher protection available on request.

Switch Disconnectors ○ – |

6 pole, Types of Mounting

Switch Disconnectors 1 – 0 – 2

Double-throw Switches 3 pole, Types of Mounting

Technical Data		KG10A KG10B	KG20A KG20B	KG32A KG32B	KG41 KG41B	KG64 KG64B	KG80 KG80C	KG100 KG100C	KG125	KG160	C316	
Ratings 3 x 380 V/440 V AC-23A, AC-23B AC-3 Thermal Current I _u /I _{th}		kW kW A	5,5 3,7 20	7,5 5,5 25	11 7,5 32	15 11 40	22 18,5 63	30 22 80	37 30 100	45 37 125	55 45 160	132 55 315
Version Protection	Four Hole Panel Mounting	EAN- Code 9004257		Version Protection	Four Hole Panel Mounting		EAN- Code 9004257					
	KG10A T306 E	01296 1			KG20A T903 E	00958 9						
	KG10B T306 E	01297 8			KG20B T903 E	00959 6						
	KG20B T306 E	00925 1			KG32A T903 E	00960 2						
	KG32B T306 E	00926 8			KG32B T903 E	00961 9						
	KG41B T306 E	00927 5			KG41B T903 E	00962 6						
	KG64B T306 E	00928 2			KG64B T903 E	00963 3						
	KG80 T306 E	00929 9			KG80 T903 E	00964 0						
	KG80C T306 E	00930 5			KG80C T903 E	00965 7						
	KG100 T306 E	00931 2			KG100 T903 E	00966 4						
	KG100C T306 E	00932 9			KG100C T903 E	00967 1						
	KG125 T306 E	03683 7			KG125 T903 E	03689 9						
	KG160 T306 E	03685 1			KG160 T903 E	03691 2						
	C316 T306 E	00935 0			C316 T903 E	00970 1						
 	Base Mounting		  	Base Mounting								
	KG10A T306 VE	01298 5		KG20B T903 VE	00971 8							
	KG10B T306 VE	01299 2		KG32B T903 VE	00972 5							
	KG20B T306 VE	00936 7		KG41B T903 VE	00973 2							
	KG32B T306 VE	00937 4		KG64B T903 VE	00974 9							
	KG41B T306 VE	00938 1		KG80 T903 VE	00975 6							
	KG64B T306 VE	00939 8		KG80C T903 VE	00976 3							
	KG80 T306 VE	00940 4		KG100 T903 VE	00977 0							
	KG80C T306 VE	00941 1		KG100C T903 VE	00978 7							
	KG100 T306 VE	00942 8		KG125 T903 VE	03690 5							
	KG100C T306 VE	00943 5		KG160 T903 VE	03692 9							
	KG125 T306 VE	03684 4		C316 T903 VE	00981 7							
	KG160 T306 VE	03686 8		and shaft extension								
	C316 T306 VE	00946 6		KG20B T903/57 VE	00982 4							
	and shaft extension					KG32B T903/57 VE	00983 1					
	KG10A T306/57 VE	01300 5				KG41B T903/57 VE	00984 8					
	KG10B T306/57 VE	01301 2				KG64B T903/57 VE	00985 5					
	KG20B T306/57 VE	00947 3				KG80 T903/57 VE	00986 2					
	KG32B T306/57 VE	00948 0				KG80C T903/57 VE	00987 9					
	KG41B T306/57 VE	00949 7				KG100 T903/57 VE	00988 6					
	KG64B T306/57 VE	00950 3				KG100C T903/57 VE	00989 3					
	KG80 T306/57 VE	00951 0				KG125 T903/57 VE	03693 6					
	KG80C T306/57 VE	00952 7				KG160 T903/57 VE	03694 3					
	KG100 T306/57 VE	00953 4				C316 T903/57 VE	00992 3					
	KG100C T306/57 VE	00954 1				Base Mounting for Track						
	KG125 T306/57 VE	03687 5				Esc. plate for 45 mm standard knock-out						
	KG160 T306/57 VE	03688 2				KG20A T903 VE2	06488 5					
	C316 T306/57 VE	00957 2				KG32A T903 VE2	06489 2					
	KG41B T903 VE2					06490 8						
	KG64B T903 VE2					06491 5						
	KG80 T903 VE2					06492 2						
	KG100 T903 VE2					06493 9						

¹C80, C125 and C316 protection IP 40. Higher protection available on request.

Switch Disconnectors –

3, 4, and 6 pole, in Plastic Enclosure (conduit entries for metric¹ threads)

Technical Data															
		KG10 KH16	KG20 KH20	KG32 KH25	KG41 KH32	KG41B KH40	KG64 KH63	KG64B KH80	KG80	KG100	KG125	KG160	KG250	KG315	C316
Ratings 3 x 380 V/440 V AC-23A, AC-23B AC-3 Thermal Current I _{the}															
	kW	7,5	5,5/10 ⁴	7,5/12 ⁴	11/16 ⁴	15/20 ⁴	22/30 ⁴	30/40 ⁴	37	45	55	90	110	132	
	kW	5,5	3,7/6,5 ⁴	5,5/7,5 ⁴	7,5/11 ⁴	11/15 ⁴	18,5/22 ⁴	22/30 ⁴	30	37	45	55	75	55	
	A	16	20	25	32	40	63	80	100	125	160	250	315	315 ² /275 ³	
Version	3 pole	EAN-Code		Version	4 pole	EAN-Code									
Protection		9004257		Protection		9004257									
IP 66/67	KG10 KG20	T303 KS51 T303 KS51	07283 5 07284 2	IP 65	KG125 KG160 KG250 KG315 C316	T304/60 STM T304/60 STM T304/61 STM T304/61 STM ⁵ T304/62 STM ⁵	07309 2 07310 8 07311 5 07312 2 07313 9								
	KG20 KG32 KG41 KG64 KG80 KG100	T303 KL51 T303 KL51 T303 KL11 T303 KL11 T303 KL71 T303 KL71	07285 9 07286 6 07287 3 07288 0 07289 7 07290 3		Oversized Wiring Space										
					KG125 KG160 KG250 KG315 C316	T304/61 STM T304/61 STM T304/64 STM ⁵ T304/64 STM ⁵ T304/63 STM ⁵	07314 6 07315 3 07316 0 07317 7 07318 4								
IP 65	KG125 KG160 KG250 KG315 C316	T303/59 STM T303/59 STM T303/61 STM T303/61 STM ⁵ T303/62 STM ⁵	07291 0 07292 7 07293 4 07294 1 07295 8	IP 66/67	6 pole	KG10 KG20B KG32B KG41B KG64B	T306 KS51 T306 KL11 T306 KL11 T306 KL71 T306 KL71	07319 1 07320 7 07321 4 07322 1 07323 8							
	Oversized Wiring Space														
	KG125 KG160 KG250 KG315 C316	T303/61 STM T303/61 STM T303/63 STM ⁵ T303/63 STM ⁵ T303/63 STM ⁵	07296 5 07297 2 07298 9 07299 6 07300 9			KG80 KG100 KG125 KG160 C316	T306/59 STM T306/59 STM T306/59 STM T306/59 STM T306/63 STM ⁵	07324 5 07325 2 07326 9 07327 6 07328 3							
IP 66/67	KH16 KH20	T304 KS51 T304 KS11	08763 1 08764 8	IP 65	4 pole	KG125 KG160 C316	T306/61 STM T306/61 STM T306/64 STM ⁵	07329 0 07330 6 07331 3							
	KH25 KH32 KH40 KH63 KH80 KG100	T304 KL11 T304 KL11 T304 KL11 T304 KL71 T304 KL71 T304 KL71	08765 5 08766 2 08767 9 08863 8 08864 5 07308 5			Oversized Wiring Space									

¹Enclosures with conduit entries for PG thread continue to be available. ²For switches 3 and 4 pole. ³For switches 6 pole. ⁴The values after the slash are valid for KH switches. ⁵Switches with cable glands.

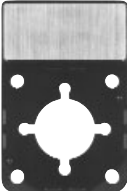
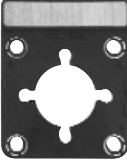
Lateral mounted Auxiliary Contacts

Version	For Switch Type	For Front Mounting	EAN-Code 9004257	For Base Mounting	EAN-Code 9004257
Lateral mounted auxiliary contacts with 1 NO + 1 NC 	KG20-KG32B, KH16-KH25B	K0 H010/A11-E	06473 1	K0 H010/A11-VE	06474 8
	KH32, KH40, KH63, KH80	K1 H010/11A-E	06542 4	K1 H010/11A-VE	06543 1
	KG41-KG64B	K1 H010/A11-E	06475 5	K1 H010/A11-VE	06476 2
	KG80-KG100C	K2 H010/A11-E	06477 9	K2 H010/A11-VE	06478 6
Lateral mounted auxiliary contacts with 2 NO + 1 NC 	KG125, KG160	K3A H010/A21-E	06479 3	K3A H010/A21-VE	06480 9
	KG210, KG250, KG315	K3 H010/A21-E	06481 6	K3 H010/A21-VE	06482 3

Protective Covers

Version	For Switch Type		EAN-Code 9004257		EAN-Code 9004257
	KG10A, KG10B	2 pole	01574 0	3 and 4 pole	01575 7
		S0 M160/A12		S0 M160/A12 K2	
		3 pole		4 pole	
	KG20A, KG20B KG32A, KG32B	K0 M160/3	01576 4	K0 M160/4	01579 5
	KG41, KG41B KG64, KG64B	K1 M160/3	01577 1	K1 M160/4	01580 1
	KG80, KG80C KG100, KG100C	K2 M160/3	01578 8	K2 M160/4	01581 8
	KG125, KG160	K3 M160/32	01582 5	K3 M160/42	01583 2
	KG210, KG250, KG315	K3 M160/30	06486 1	K3 M160/40	06487 8
	KH32, KH40 KH63, KH80	For Front Mounting	09198 0 08905 5	For Base Mounting	09199 7 08906 2
		K1 M160/45-E K1 M160/44-E		K1 M160/45-VE K1 M160/44-VE	

Add-on Escutcheon Plates

Version Escutcheon Plate frame Black	Description	Escutcheon Plate Size in mm	Escutcheon Plate Backing Brushed Alu	EAN- Code 9004257	Escutcheon Plate Backing Yellow	EAN- Code 9004257
Higher Inscription field 	HAUPTSCHALTER	48 x 48 64 x 64 88 x 88 130 x 130	S0 F822/A1B - PRA S1 F822/A1B - PRA S2 F822/A1B - PRA S3 F822/A1B - PRA	01538 2 01539 9 01540 5 01541 2	S0 F822/E1B - PRA S1 F822/E1B - PRA S2 F822/E1B - PRA S3 F822/E1B - PRA	01542 9 01543 6 01544 3 01545 0
	HAUPTSCHALTER NUR IN 0-STELLUNG ÖFFNEN	48 x 48 64 x 64 88 x 88 130 x 130	S0 F832/A1B - PRA S1 F832/A1B - PRA S2 F832/A1B - PRA S3 F832/A1B - PRA	01546 7 01547 4 01548 1 01549 8	S0 F832/E1B - PRA S1 F832/E1B - PRA S2 F832/E1B - PRA S3 F832/E1B - PRA	01550 4 01551 1 01552 8 01553 5
	HAUPTSCHALTER MAIN SWITCH	48 x 48 64 x 64 88 x 88 130 x 130	S0 F836/A1B - PRA S1 F836/A1B - PRA S2 F836/A1B - PRA S3 F836/A1B - PRA	06335 2 06336 9 06337 6 06338 3	S0 F836/E1B - PRA S1 F836/E1B - PRA S2 F836/E1B - PRA S3 F836/E1B - PRA	06339 0 06340 6 06341 3 06342 0
	MAIN SWITCH	48 x 48 64 x 64 88 x 88 130 x 130	S0 F824/A1B - PRA S1 F824/A1B - PRA S2 F824/A1B - PRA S3 F824/A1B - PRA	01554 2 01555 9 01556 6 01557 3	S0 F824/E1B - PRA S1 F824/E1B - PRA S2 F824/E1B - PRA S3 F824/E1B - PRA	01558 0 01559 7 01560 3 01561 0
	INTERRUPTEUR GENERAL	48 x 48 64 x 64 88 x 88 130 x 130	S0 F828/A1B - PRA S1 F828/A1B - PRA S2 F828/A1B - PRA S3 F828/A1B - PRA	01562 7 01563 4 01564 1 01565 8	S0 F828/E1B - PRA S1 F828/E1B - PRA S2 F828/E1B - PRA S3 F828/E1B - PRA	01566 5 01567 2 01568 9 01569 6
Lower Inscription field 	HAUPTSCHALTER	48 x 48 64 x 64	S0 F822/A1B - PRC S1 F822/A1B - PRC	00549 9 00552 9	S0 F822/E1B - PRC S1 F822/E1B - PRC	00555 0 01588 7
	HAUPTSCHALTER NUR IN 0-STELLUNG ÖFFNEN	48 x 48 64 x 64	S0 F832/A1B - PRC S1 F832/A1B - PRC	01570 2 01571 9	S0 F832/E1B - PRC S1 F832/E1B - PRC	01572 6 01573 3
	HAUPTSCHALTER MAIN SWITCH	48 x 48 64 x 64	S0 F836/A1B - PRC S1 F836/A1B - PRC	06343 7 06344 4	S0 F836/E1B - PRC S1 F836/E1B - PRC	06345 1 06346 8
	MAIN SWITCH	48 x 48 64 x 64	S0 F824/A1B - PRC S1 F824/A1B - PRC	00550 5 00553 6	S0 F824/E1B - PRC S1 F824/E1B - PRC	00556 7 01589 4
	INTERRUPTEUR GENERAL	48 x 48 64 x 64	S0 F828/A1B - PRC S1 F828/A1B - PRC	00551 2 00554 3	S0 F828/E1B - PRC S1 F828/E1B - PRC	00557 4 01590 0

Terminals for Control Circuit

Version	For Switch Type		EAN-Code 9004257	Max. Permissible Wire Gage Single-core or Flexible wire stranded wire
	KG41-KG64B	K1B D220 KS	08907 9	2,5 mm ² AWG12 2,5 mm ² AWG14
	KG80-KG100C	K2B D520 KSA	06483 0	2,5 mm ² AWG12 2,5 mm ² AWG14
	KG125, KG160	K3A D720 KS	06484 7	4 mm ² AWG10 4 mm ² AWG12
	KG210, KG250, KG315	K3B D520 KS	06485 4	4 mm ² AWG10 4 mm ² AWG12

Unlock Insert

Version	Unlock insert for the M700		EAN-Code 9004257	
	To open the door in ON position. (After the locking has been made inactive, it is necessary to take effective precautions against an opening of the door by unauthorized persons.)	S1D M700 29	07090 9	

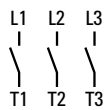
Mounting Key

Version	For Switches with Single Hole Mounting		EAN-Code 9004257	
	Mounting key for locking nut	S00 T170 09	08726 6	

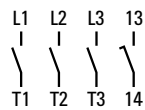
Connection Diagrams

(KG and C switches)

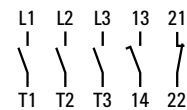
3 pole



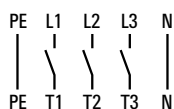
3 pole + 1 NO



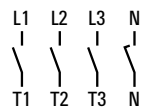
3 pole + 1 NO, 1 NC



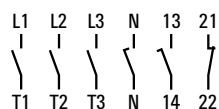
3 pole + PE, N



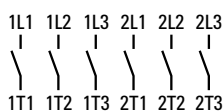
4 pole



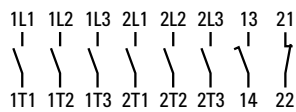
4 pole + 1 NO, 1 NC



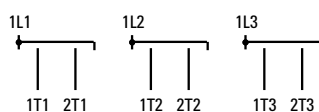
6 pole



6 pole + 1 NO, 1 NC



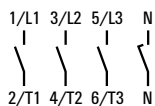
3 pole (Double-throw switches)



Connection Diagrams

(KH switches)

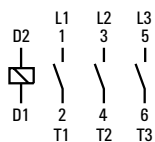
4 pole



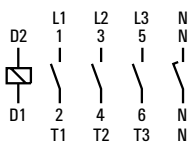
Connection Diagrams

(CA and C switches with under-voltage release)

3 pole



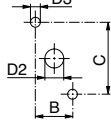
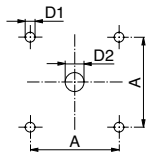
4 pole



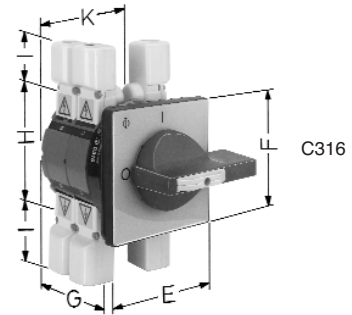
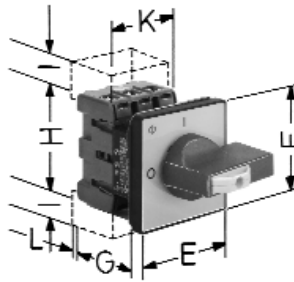
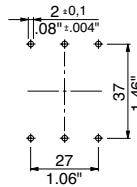
Switches for Panel Mounting

Two or Four Hole Panel Mounting

Dimensions mm
inch



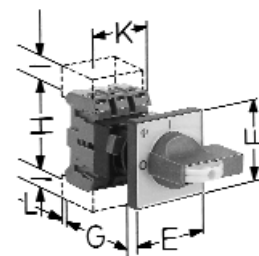
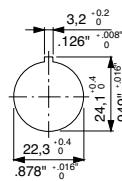
KG21A
KG33A



	1.06"							Pole 2					3, 4		3 + 1	3 + N,PE	6 ¹			Pole 2, 3, 3 + 1	3 + N,PE	4	6 ¹	
	A	B ²	C ²	D1	D2	D3	E/F	G	G	G		G	H	I		K	K	K	K	L				
KG10A	36 1.42	12,2 .48	30 1.18	5 .20	11-15 .43-.59	3,5 .14	48 1.89	38,7 1.52	48,2 1.90	48,2 1.90		58 2.28	50 1.97	7,5 .30	48 1.89		48 1.89							
KG10B	48 1.89	12,2 .48	30 1.18	5 .20	11-15 .43-.59	3,5 .14	64 2.52	45,7 1.80	55,2 2.17	55,2 2.17		67 2.64	50 1.97	7,5 .30	48 1.89		48 1.89							
KG20A, KG32A, KG21A, KG33A	36 1.42	12,2 .48	30 1.18	5 .20	10 .39	3,5 .14	48 1.89		53,8 ³ 2.12	62,8 2.47	53,8 2.12	61,3 2.42	54 2.13	20 .79	42 1.65	69 2.72	56 2.21		6					
KG20B, KG32B	48 1.89	12,2 .48	30 1.18	5 .20	10 .39	3,5 .14	64 2.52		53,8 2.12	62,8 2.47	53,8 2.12	61,3 2.42	54 2.13	20 .79	42 1.65	69 2.72	56 2.21	84 3.31	6 .24					
KG41, KG64	36 1.42			5 .20	10 .39		48 1.89		60,5 2.38		60,5 2.38	61,3 2.42	64 2.52	17 .67	50 1.97	82 3.23	66 2.60		5,5 .22					
KG41B, KG64B	48 1.89	12,2 .48	30 1.18	5 .20	10 .39	3,5 .14	64 2.52		60,5 2.38	73 2.87	60,5 2.38	66,5 2.62	64 2.52	17 .67	50 1.97	82 3.23	66 2.60	100 3.94	5,5 .22					
		14 .55	37 1.46			4,5 .18																		
KG41B T..3/81 E, KG64B T..3/81 E	68 2.68			6 .24	10 .39		88 3.46		61 2.40				64 2.52	17 .67	50 1.97				5,5 .22					
KG80, KG100	48 1.89	14 .55	37 1.46	5 .20	10 .39	4,5 .18	64 2.52		70,6 2.78	80,6 3.17	70,6 2.78	81,8 3.22	80 3.15	26 1.02	70 2.76	114 4.49	92 3.62	140 5.51	5,5 .22					
KG80C, KG100C	68 2.68	14 .55	37 1.46	6 .24	10 .39	4,5 .18	88 3.46		70,6 2.78	80,6 3.17	70,6 2.78	81,8 3.22	80 3.15	26 1.02	70 2.76	114 4.49	92 3.62	140 5.51	5,5 .22					
KG125, KG160	68 2.68			6 .24	13 .51		88 3.46		96 3.78	117 4.61	96 3.78	98 3.86	108 4.25	22,2 .87	112 4.41	188 7.40	150 5.91	224 8.82						
KG210, KG250, KG315	68 2.68			6 .24	13 .51		88 3.46		103 4.06	124 4.88	103 4.06		126 4.96	25 .98	145 5.71	250 9.84	197,5 7.78		6 .24					
KH16, KH20, KH25	36 1.42	12,2 .48	30 1.18	5 .20	10-15 .39	3,5 .14	48 1.89		49 1.93				56 2.20				60 2.36							
KH16B, KH20B, KH25B	48 1.89	12,2 .48	30 1.18	5 .20	10-15 .39	3,5 .14	64 2.52		49 1.93				56 2.20				60 2.36							
KH32, KH40	48 1.89	12,2 .48	30 1.18	5 .20	10-15 .39-.59	3,5 .14	64 2.52		54 2.13				62 2.44	14 .55			70 2.76							
KH63, KH80	48 1.89	14 .55	37 1.46	5 .20	10-15 .39-.59	3,5 .14	64 2.52		62 2.44				90 3.54	23,5 .93			86 3.39		3,5 .14					
C316	104 4.09			7 .28	16 .63		130 5.12		117,2 4.61	137,2 5.40		155,8 6.13	150 5.91	46 1.81	128 5.04		128 5.04	128 5.04						

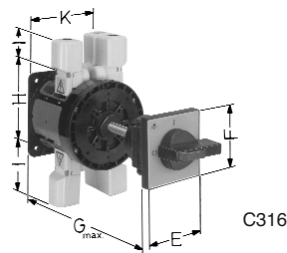
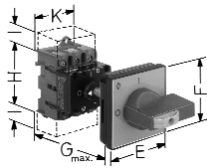
¹Also valid for double-throw switches. ²Only for main switches and main switches with emergency function. ³KG21A and KG33A G = 56,1 mm/2.21 inch.

Single Hole Mounting 22 mm

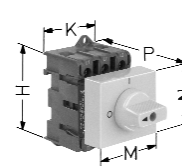


	E/F	E/F	E/F	Pole								Pole					
				2	3, 4	3 + 1	3 + N, PE					2, 3, 3 + 1	3 + N, PE	4			
				G	G	G	G	H	I			K	K	K			L
KG10A	49	48		56,6	66,1	66,1		50	7,5	48		48		48			
	1.93	1.89		2.23	2.60	2.60		1.97	.30	1.89		1.89		1.89			
KG10B		64	64	56,6	66,1	66,1		50	7,5	48		48		48			
		2.52	2.52	2.23	2.60	2.60		1.97	.30	1.89		1.89		1.89			
KG20A, KG32A	49	48			68,3	77,3	68,3	54	20	42		69	56	56	6		
	1.93	1.89			2.69	3.04	2.69	2.13	.79	1.65		2.72	2.20	2.20	.24		
KG20B, KG32B		64	64		68,3	77,3	68,3	54	20	42		69	56	56	6		
		2.52	2.52		2.69	3.04	2.69	2.13	.79	1.65		2.72	2.20	2.20	.24		
KH16, KH20, KH25 FT2	49	48			63,5			56						60			
	1.93	1.89			2.50			2.20						2.36			
KH16, KH20, KH25 FH3		64	64		63,5			56						60			
		2.52	2.52		2.50			2.20						2.36			
KH32, KH40		64	64		68,7			62	14					70			
		2.52	2.52		2.70			2.44	.55					2.76			
KH63, KH80		64	64		77,1			90	23,5					86			
		2.52	2.52		3.04			3.54	.93					3.39			

Switches for Base Mounting



Dimensions mm inch



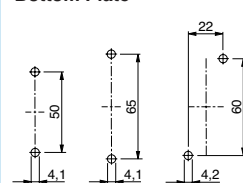
Switch Disconnectors

Main Switches and Main Switches with Emergency Function

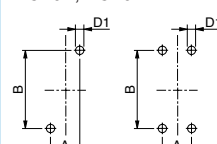
	With shaft extension				With single hole mounting without centering device													
	E/F	Pole 3, 4	6 ¹	3, 4, 6 ¹	E/F ²	Pole 2	3, 4, 3 + N, PE ³	3 + 1	H	I	Pole 3, 3+1	3 + N, PE	4	6 ¹	M	N	P	P
KG10A	48 1.89	61,2 2.41	70,7 2.78	190 7.48	48 1.89	190 7.48	151,2 5.95	160,7 6.33	160,7 6.33	50 1.97	48 1.89		48 1.89	48 1.89	52 2.05	44,7 1.76	64,3 2.53	
KG10B	64 2.52	85,2 3.35	94,7 3.73	190 7.48	64 2.52	190 7.48	160,2 6.31	169,7 6.68	169,7 6.68	50 1.97	48 1.89		48 1.89	48 1.89				
KG20A, KG32A	48 1.89	62 2.44		190 7.48	48 1.89	190 7.48		166,5 6.56	175,5 6.91	54 2.13	42 1.65	69 2.72	55,5 2.19	84 3.31	43,3 1.70	44,2 1.74	61 2.40	69 2.72
KG20B, KG32B	64 2.52	63,5 2.50	71 2.80	190 7.48	64 2.52	190 7.48		166,5 6.56	175,5 6.91	54 2.13	42 1.65	69 2.72	55,5 2.19	84 3.31				
KG41, KG64	48 1.89	73 2.87		190 ⁵ 7.48	48 1.89	190 ⁵ 7.48		183,5 7.22	193,5 7.62	64 2.52	50 1.97	82 3.23	66 2.60		52 2.05	44,4 1.75	61,5 2.42	
KG41B, KG64B	64 2.52	74,5 2.93	80,5 3.17	190 ⁵ 7.48	64 2.52	190 ⁵ 7.48		183,5 7.22	193,5 7.62	64 2.52	50 1.97	82 3.23	66 2.60	100 3.94				67,5 2.66
KG80	64 2.52	81,5 3.21	92,7 3.65	380 14.96	64 2.52	380 14.96		187,5 7.38	197,5 7.78	80 3.15	70 2.76	114 4.49	92 3.62	140 5.51	70 2.76	45 1.77	70 2.76	
KG80C	88 3.47	81,5 3.21	92,7 3.65	380 14.96	88 3.47	380 14.96												
KG100	64 2.52	81,5 3.21	92,7 3.65	450 17.72	64 2.52	450 17.72		187,5 7.38	197,5 7.78	80 3.15	70 2.76	114 4.49	92 3.62	140 5.51	70 2.76	45 1.77	70 2.76	
KG100C	88 3.47	81,5 3.21	92,7 3.65	450 17.72	88 3.47	450 17.72												
KG125, KG160	88 3.47	107 4.21	109 4.29	450 17.72	88 3.47	450 17.72				108 4.25	22,2 .87	112 4.41	188 7.40	150 5.91	224 8.82			
KG210, KG250, KG315	88 3.47	114 4.49		550 21.65	88 3.47	550 21.65				126 4.96	25 .98	145 5.71	250 9.84	197,5 7.78				
KH16, KH20, KH25	48 1.89	59 2.32		190 7.48	48 1.89	190 7.48		163,5 6.44		56 2.20				60 2.36				
KH16B, KH20B, KH25B	64 2.52	60,5 2.38		190 7.48	64 2.52	190 7.48		163,5 6.44		56 2.20				60 2.36				
KH32, KH40	64 2.52	79 3.11		190 7.48	64 2.52	190 7.48		178 7.01		62 2.44	14 .55			70 2.76				
KH63, KH80	64 2.52	85 3.35		330 ⁶ 12.99	64 2.52	330 ⁶ 12.99		187,5 7.38		90 3.54	23,5 .93			86 3.39				
C316	130 5.12	148 5.83	186,5 7.34	550 21.65	88 3.47	550 21.65				150 5.91	46 1.81	128 5.04		128 5.04	128 5.04			

	Bottom Plate					Front Plate				
	A	B	C	C1	D1	E ⁴	D3 ⁴	D2	D2 ⁴	
KG10A						36 1.42	5 .20	8-15 .32-.59	18-22 .71-.87	
KG10B						48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KG20A, KG32A	22 .87	60 2.36			4,1 .16	36 1.42	5 .20	8-15 .32-.59	18-22 .71-.87	
KG20B, KG32B	22 .87	60 2.36	32 1.26	10 .39	4,1 .16	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KG41, KG64	25 .98	70 2.76			4,1 .16	36 1.42	5 .20	8-15 .32-.59	18-22 .71-.87	
KG41B, KG64B	25 .98	70 2.76	37,5 1.48	12,5 .49	4,1 .16	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KG80, KG100	25 .98	90 3.54	47,5 1.87	22,5 .89	5,2 .21	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KG80C, KG100C	25 .98	90 3.54	47,5 1.87	22,5 .89	5,2 .21	68 2.68	6 .24	13-17 .51-.67	26-30 1.02-1.18	
KG125, KG160	36 1.42	120 4.72			6,4 .25	68 2.68	6 .24	13-17 .51-.67	26-30 1.02-1.18	
KG250, KG315	44 1.73	142 5.59			6,4 .25	68 2.68	6 .24	13-17 .51-.67	26-30 1.02-1.18	
KH16, KH20, KH25	22 .86	60 2.36			4,2 .17	36 1.42	5 .20	8-15 .32-.59	18-22 .71-.87	
KH16B, KH20B, KH25B	22 .86	60 2.36			4,2 .17	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KH32, KH40	25 .98	70 2.76			4,1 .16	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
KH63, KH80	25 .98	90 3.54			5,2 .21	48 1.89	5 .20	10-15 .39-.59	19-22 .75-.87	
C316	104 4.09	104 4.09			7 .28	104 4.09	7 .28	15,5-20 .61-.79		

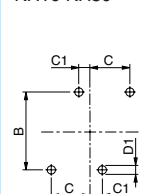
Bottom Plate



KG10A, KG10B

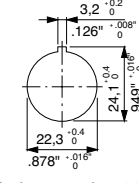


KG20A-KG100C KH16-KH80

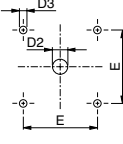


KG20A-KG100C 6 pole¹

Front Plate



With single hole mounting 22 mm



⁴E = 48 1.89 D2 = 39-42 1.54-1.69 D3 = 5 .20

For switch type:

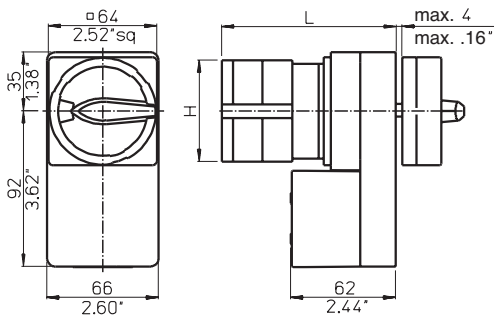
KG20B T.../12 VE	KG125 T.../28 VE
KG20B T.../28 VE	KG160 T.../12 VE
KG32B T.../12 VE	KG160 T.../28 VE
KG32B T.../28 VE	KG250 T.../13 VE
KG41B T.../12 VE	KG250 T.../29 VE
KG41B T.../28 VE	KG315 T.../13 VE
KG64B T.../12 VE	KG315 T.../29 VE
KG64B T.../28 VE	KH32 T.../12 VE
KG80 T.../12 VE	KH40 T.../12 VE
KG80 T.../28 VE	KH63 T.../12 VE
KG100 T.../12 VE	KH80 T.../12 VE
KG100 T.../28 VE	C316 T.../13 VE
KG125 T.../12 VE	C316 T.../29 VE

¹Also valid for double-throw switches. ²Versions T.../12 VE, T.../13 VE, T.../28 VE, T.../29 VE = 88 mm/3.47 inch. ³KG10A and KG10B + 9,5 mm/.37 inch. ⁴Different dimensions see right table. ⁵KG64 and KG64B G = 330 mm/12.99 inch. ⁶KH80 G = 380 mm/14.96 inch.

Switches with Under-voltage Release

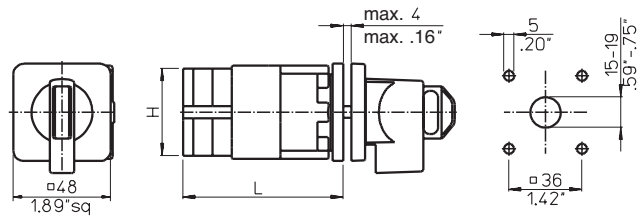
Dimensions mm
inch

E



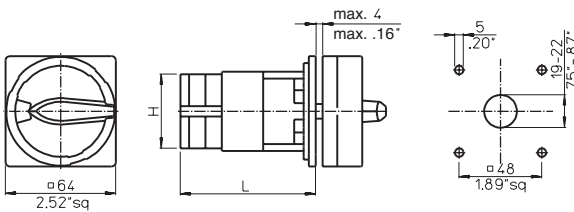
	H	L
C32	60 2.36	102.8 4.05
C42	66 2.60	110.8 4.36

EF



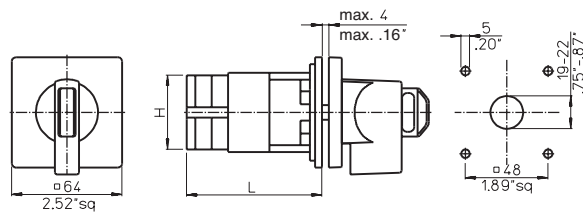
	H	L
CA10Z	43 1.69	79 3.11
CA20Z	45 1.77	86.4 3.40
CA25Z	48 1.89	89 3.50

EGF (/01)



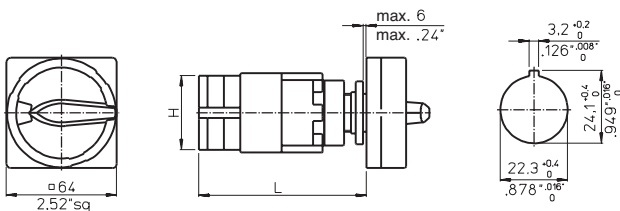
	H	L
CA10Z	43 1.69	78.7 3.10
CA20Z	45 1.77	86.1 3.39
CA25Z	48 1.89	88.7 3.49

EGF (/04)



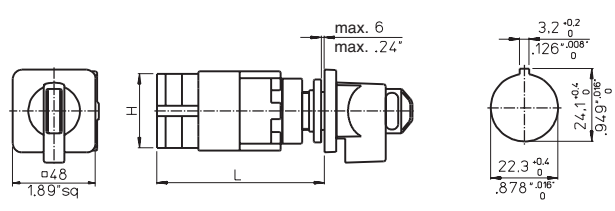
	H	L
CA10Z	43 1.69	78.7 3.10
CA20Z	45 1.77	86.1 3.39
CA25Z	48 1.89	88.7 3.49

FH3



	H	L
CA10Z	43 1.69	97.2 3.83
CA20Z	45 1.77	104.6 4.12
CA25Z	48 1.89	107.2 4.22

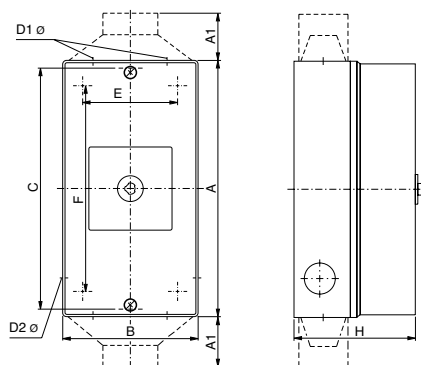
FT2



	H	L
CA10Z	43 1.69	97.2 3.83
CA20Z	45 1.77	104.6 4.12
CA25Z	48 1.89	107.2 4.22

Switches in Plastic Enclosure

Dimensions mm
inch



	Pole						A	A1	B	C	D1	D2	E	F	H
	3	3 + 2	4	4 + 2	6	6 + 2									
KG10 T... KS51	x	x	x	x	x		120		85	110	2 x 20	20			80
KH16 T... KS51 ²	x	x	x	x	x		4.72		3.35	4.33	2 x .79	.79			3.15
KG10 T... KS51V	x	x	x	x	x	x	120		85	110	2 x 20	20			90
KH16 T... KS51V ²	x	x	x	x	x	x	4.72		3.35	4.33	2 x .79	.79			3.54
KG20 T... KS51	x						120		85	110	2 x 20	20			80
							4.72		3.35	4.33	2 x .79	.79			3.15
KG20 T... KS51V	x						120		85	110	2 x 20	20			90
							4.72		3.35	4.33	2 x .79	.79			3.54
KG20 ¹ , KG32	x	x					160		85	150	2 x 20	20			78
T... KL51							6.30		3.35	5.91	2 x .79	.79			3.07
KG20 ¹ , KG32	x	x					160		85	150	2 x 20	20			82
T... KL51V							6.30		3.35	5.91	2 x .79	.79			3.23
KH20 T... KS11			x				120		85	110	2 x 25	20			80
							4.72		3.35	4.33	2 x .98	.79			3.15
KH20, KH25			x	x			160		85	150	2 x 25	20			78
T... KL11							6.30		3.35	5.91	2 x .98	.79			3.07
KH20, KH25			x	x			160		85	150	2 x 25	20			82
T... KL11V							6.30		3.35	5.91	2 x .98	.79			3.23
KG20B, KG32B					x	x	190		100	178	2 x 25	25			91
T... KL11							7.48		3.94	7.01	2 x .98	.98			3.58
KG20B, KG32B					x	x	190		100	178	2 x 25	25			93
T... KL11V							7.48		3.94	7.01	2 x .98	.98			3.66
KG41, KG64 T... KL11	x	x	x	x			190		100	178	2 x 25	25			91
KH32, KH40 T... KL11 ²							7.48		3.94	7.01	2 x .98	.98			3.58
KG41, KG64 T... KL11V	x	x	x	x			190		100	178	2 x 25	25			93
KH32, KH40 T... KL11V ²							7.48		3.94	7.01	2 x .98	.98			3.66
KG41B, KG64B					x	x	250		145		2 x 40	25	124	229	107
							9.84		5.71		2 x 1.57	.98	4.88	9.02	4.21
KG80, KG100	x	x	x	x			250		145		2 x 40	25	124	229	107
KH63, KH80 ²							9.84		5.71		2 x 1.57	.98	4.88	9.02	4.21
KG80, KG80C					x	x	300		200		2 x 40/50	3 x 20	172	272	172
KG100, KG100C							11.81		7.87		2 x 1.57/1.97	3 x .79	6.77	10.71	6.77
KG125, KG160	x	x					300		200		2 x 40/50	3 x 20	172	272	172
							11.81		7.87		2 x 1.57/1.97	3 x .79	6.77	10.71	6.77
			x	x			280		280		2 x 50	1 x 20	254	254	180
							11.02		11.02		2 x 1.97	1 x .79	10.00	10.00	7.09
	x ¹	x ¹	x ¹	x ¹			380		280		2 x 63	1 x 20	254	354	180
							14.96		11.02		2 x 2.48	1 x .79	10.00	13.94	7.09
					x	x	300		300		2 x 50	1 x 20	272	272	172
							11.81		11.81		2 x 1.97	1 x .79	10.71	10.71	6.77
					x ¹	x ¹	400		300		2 x 63	1 x 20	272	372	172
							15.75		11.81		2 x 2.48	1 x .79	10.71	14.65	6.77
KG250	x	x	x	x			380		280		2 x 63	1 x 20	254	354	180
							14.96		11.02		2 x 2.48	1 x .79	10.00	13.94	7.09
	x ¹	x ¹					560	110	280		1 x 28-60 ³	2 x 20	254	534	180
							22.05	4.33	11.02		1 x 1.10-2.36	2 x .79	10.00	21.02	7.09
			x ¹	x ¹			560	110	380		1 x 28-60 ³	2 x 20	354	534	180
							22.05	4.33	14.96		1 x 1.10-2.36	2 x .79	13.94	21.02	7.09
KG315	x	x	x	x			280		280		1 x 28-60 ³	2 x 20	254	354	180
							14.96	4.33	11.02		1 x 1.10-2.36	2 x .79	10.00	13.94	7.09
	x ¹	x ¹					560	110	280		1 x 28-60 ³	2 x 20	254	534	180
							22.05	4.33	11.02		1 x 1.10-2.36	2 x .79	10.00	21.02	7.09
			x ¹	x ¹			560	110	380		1 x 28-60 ³	2 x 20	354	534	180
							22.05	4.33	14.96		1 x 1.10-2.36	2 x .79	13.94	21.02	7.09
C316	x	x	x	x			380	110	280		1 x 28-60 ³	2 x 20	254	354	230
							14.96	4.33	11.02		1 x 1.10-2.36	2 x .79	10.00	13.94	9.06
	x ¹	x ¹	x ¹	x ¹			560	110	280		1 x 28-60 ³	2 x 20	254	534	230
							22.05	4.33	11.02		1 x 1.10-2.36	2 x .79	10.00	21.02	9.06
					x		560	110	280		2 x 28-60 ³	2 x 20	254	534	230
							22.05	4.33	11.02		2 x 1.10-2.36	2 x .79	10.00	21.02	11.02
						x ¹	560	110	380		2 x 28-60 ³	2 x 20	354	534	230
							22.05	4.33	14.96		2 x 1.10-2.36	2 x .79	13.94	21.02	9.06
						x ¹	560	110	380		2 x 28-60 ³	2 x 20	354	534	280
							22.05	4.33	14.96		2 x 1.10-2.36	2 x .79	13.94	21.02	11.02
K100	x	x					250		187.5		1 x 32	6 x 20	199.5	262	153
							9.84		7.38		1 x 1.26	6 x .79	7.85	10.31	6.02
K160	x	x					375		250		1 x 50	6 x 25	262	387	153
							14.76		9.84		1 x 1.97	6 x 0.98	10.32	15.24	6.02
K250	x	x					750		375		3 x 14-68 ³		387	762	204
							29.53		14.76		3 x .55-2.68		15.24	30.00	8.03

¹Oversized wiring space. ²Pole 4 and 4+2. ³outside cable diameter