

Selection Data	KG10	KG20	KG32							KG125	KG160	KG250	KG315
	KG10A	KG20A	KG32A	KG41	KG64	KG80	KG100	KG126	KG161	KG251	KG316		
	KG10B	KG20B	KG32B	KG41B	KG64B	KG80C	KG100C	KG127	KG162	KG252	KG317		

Rated Insulation Voltage U_i	IEC/VDE ¹⁾	V	690	690	690	690	690	690	690	1000 ²⁾	1000 ²⁾	1000 ²⁾	1000 ²⁾				
	SEV	V	660	660	660	660	660	660	660	660	660	660	660				
	UL/CSA	V	300	600	600	600	600	600	600	600	600	600	600				
	CEE/NEMKO	V	400	500	500	500	500	500	500	-	-	-	-				
Rated Impulse Withstand Voltage U_{imp}¹⁾		kV	4	6	6	6	6	6	6	8	8	8	8				
Rated Thermal Current	IEC/VDE	$I_{u\ open} = I_{th}$	A	20	25	32	40	63	80	100	125	160	250	315			
		$I_{the\ enclosed}$	A	20	25	32	40	55/50 ⁵⁾	80/70 ⁵⁾	100/80 ³⁾	125	160	250	315			
	SEV	380 V	A	16	20	32	40	63	80	100	125	160	200	250			
		660 V	A	10	16	20	25	40	63	80	125	160	200	250			
	UL/CSA		A	20	25	30	30	40	80 ³⁾	100 ³⁾	150 ³⁾	200 ³⁾	250 ³⁾	300 ³⁾			
Rated Operational Current I_e	AC-21A	Switching of resistive loads, including moderate overloads	IEC/VDE	A	20	25	32	40	63	80	100	125	160	250	315		
	AC-1	Resistive or low inductive loads	SEV	380 V	A	16	20	32	40	63	80	100	125	160	200	250	
				660 V	A	10	16	20	25	40	63	80	125	160	200	250	
	AC-22A	Switching of combined resistive or low inductive loads, including moderate overloads	IEC/VDE	220 V - 500 V	A	20	20	32	40	63	80	100	125	160	200	250	
				660 V - 690 V	A	16	20	32	40	55	65	85	100	100	125	140	
	Ampere-Rating	Resistive or low inductive loads	UL/CSA ⁴⁾	600 V	A	20	25	30	30	40	80 ³⁾	100 ³⁾	150 ³⁾	200 ³⁾	250 ³⁾	300 ³⁾	
			CEE	500 V	A	10	16	20	25	32	40	63	-	-	-	-	
	Resistive loads		CEE	500 V	A	10	16	20	25	32	40	63	-	-	-	-	
	Rated Utilization Category	AC-3	Direct-on-line starting	IEC/VDE													
					3 phase	220 V - 240 V	kW	2,2	3	4	7,5	11	15	18,5	22	30	37
				3 pole	380 V - 440 V	kW	3,7	5,5	7,5	11	18,5	22	30	37	45	55	75
					500 V	kW	3,7	5,5	7,5	15	22	30	37	45	55	75	90
			690 V	kW	3,7	5,5	7,5	11	15	18,5	22	30	37	45	45		
AC-23A		Frequent switching of motors or other high inductive loads		220 V - 240 V	kW	3	4	5,5	7,5	11	18,5	22	30	30	37	55	
				3 phase	380 V - 440 V	kW	5,5	7,5	11	15	22	30	37	45	55	90	110
				3 pole	500 V	kW	5,5	7,5	11	18,5	30	37	45	55	75	110	132
					690 V	kW	5,5	7,5	11	15	18,5	22	30	37	37	45	45
DOL-Rating		Standard motor load (similar AC-3)	UL/CSA ⁴⁾	120 V	HP	1	1,5	2	3	5	7,5	10	15	20	30	40	
				3 phase	240 V	HP	2	3	5	7,5	10	20	25	30	40	60	75
				3 pole	480 V	HP	-	5	10	15	20	40	50	60	60	75	100
				600 V	HP	-	5	10	15	20	50	50	60	60	75	100	
Short Circuit Protection	Max. fuse size	(gl-characteristic)	A	20	35	35	50/35	63/50	80	100	125	160	250	315			
	Rated conditional short-circuit current		kA _{eff}	3	15	15	15/25	15/25	25	25	30	30	30	30			
	Rated short-time withstand current	(1 s-current)	A	130	350	430	500	580	1600	1850	2500	3000	4600	5800			
Max. Permissible Wire Gage	For box terminal	Single-core or stranded wire	mm ²	2,5	6	6	16	16	35	35	95	95	185	185			
			AWG	14	10	10	6	6	2	2	3/0	3/0	-	-			
			MCM	-	-	-	-	-	-	-	-	-	-	350	350		
	Flexible wire with sleeve		mm ²	1,5	4	4	10	10	25	25	50	50	120	120			
			AWG	16	10	10	8	8	5	5	1/0	1/0	-	-			
			MCM	-	-	-	-	-	-	-	-	-	-	250	250		
	Flexible wire without sleeve		mm ²	2,5	4	4	10	10	25	25	70	70	150	150			
			AWG	14	10	10	6	6	5	5	2/0	2/0	-	-			
			MCM	-	-	-	-	-	-	-	-	-	-	300	300		
	Cable lug or track must accept	connection screw	mm	-	-	-	-	-	-	-	M10 x	M10 x	M12 x	M12 x			
			Max. width	mm	-	-	-	-	-	-	20	20	20	20			
			Max. width with protective cover	mm	-	-	-	-	-	-	20	20	25	25			
Ambient Temperature	open at 100 % I_u/I_{th}			50 °C during 24 hours with peaks up to 55 °C													
	enclosed at 100 % I_{the}			35 °C during 24 hours with peaks up to 40 °C													

1) Valid for lines with common neutral termination, overvoltage category III, pollution degree 3, other values on request. 2) Suitable for no load switching applications (AC-20A) above 690 V. 3) Valid when connected with wire rated for 75 °C. 4) International Standards and Approvals, refer to page 20. 5) The values are valid for switches 6 pole and more.

Selection Data	Auxiliary contacts for:				
	KG10A KG10B	KG20 - KG32B	KG41 - KG100C	KG125 - KG162	KG250 - KG317

Rated Insulation Voltage U_i		IEC/VDE SEV UL/CSA	V V V	690 660 300	500 500 600	690 660 600	690 660 600	690 660 600	
Rated Thermal Current I_{th}		IEC/VDE/BS SEV UL/CSA	380 V - 500 V 660 V	A A A A	20 16 10 20	10 10 16 10	16 16 16 10	16 16 16 10	
Rated Operational Current I_e									
AC-21A	Switching of resistive loads, including moderate overloads	IEC/VDE		A	20	10	16	16	16
AC-1	Resistive or low inductive loads	SEV	380 V - 500 V 660 V	A A	16 10	10 10	16 16	16 16	16 16
AC-15	Switching of control devices, contactors, valves etc.		110 V - 240 V 380 V - 440 V 500 V	A A A	6 4 -	2,5 1,5 1	6 3 1,5	6 4 1,5	6 4 1,5
Pilot Duty	Heavy	UL/CSA			A300	A600	A600	A600	A600
Ampere-Rating	Resistive or low inductive loads	UL/CSA		A	20	10	10	10	10
Short Circuit Protection									
	Max. fuse size	(gl-characteristic)		A	20	10	16	16	16
	Rated conditional short-circuit current			kA _{eff.}	3	3	3	3	3
Max. Permissible Wire Gage									
	Single-core or stranded wire			mm ² AWG	2,5 14	1,5 16	4 12	4 12	4 12
	Flexible wire			mm ² AWG	2,5 14	1,5 16	2,5 14	2,5 14	2,5 14