

According to IEC 60947-3, EN 60947-3, VDE 0660 part 107



Rated Thermal Current $I_U/I_{th}/I_{the}$					A	80
Rated Insulation Voltage $U_I$ <sup>1</sup>					V	690
Rated Impulse Withstand Voltage $U_{imp}$					kV	6
Rated Operational Current $I_e$						
AC-21A	Switching of resistive loads, including moderate overloads				A	80
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V		A	80
						65
Rated Utilization Category						
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V		kW	15
			380 V–440 V			22
			500 V			30
			660 V–690 V			18,5
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V		kW	18,5
			380 V–440 V			30
			500 V			37
			660 V–690 V			22
Short Circuit Protection						
Max. fuse size		gG-characteristic			A	80
Rated short-time withstand current		(1 s-current)			A	1600
For connections with insulated ring and fork type cable terminal - copper wires only						
Single-core or stranded wire					mm <sup>2</sup>	50
Flexible wire					mm <sup>2</sup>	35
Flexible wire with sleeving in accordance with DIN 46228					mm <sup>2</sup>	35

<sup>1</sup> Valid for lines with grounded common neutral termination, overvoltage category III, Other values on request.

### Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	1,7 W	
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm	
Resistance to shock:	min. 6 g, 6 ms	
Ambient Temperature of Stages :	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
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)	

### Approvals and Standards

IEC 60947 EN 60947			 GB14048.3	 * CH01	 CH01	
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\* for KG80 only

### USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$					A	80
Rated Insulation Voltage $U_i$					V	600
Rated Operational Current $I_e$						
Pilot Duty			Heavy	VAC	A600	
Ampere Rating	Resistive or low inductive loads	ON/OFF 1-0-2	600 V	A	80	
			600 V		80	
Max. Permissible Wire Gage - copper wires only						
Single-core or stranded wire				AWG	1/0	
Flexible wire: AWG wire (without sleeving)				AWG	2	
Ratings						
	Standard motor load, DOL - Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V	HP	7,5	
			220 V – 240 V		20	
			440 V – 480 V		40	
			550 V – 600 V		50	

### Miscellaneous

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Resistance to shock:	min. 6 g, 6 ms	
Ambient Temperature of Stages :	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
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)	

### Approvals and Standards

IEC 60947 EN 60947						
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