

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 ¹					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	A	80
				660 V–690 V		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 ²	50
Flexible wire					mm ²	35
Flexible wire with sleeving in accordance with DIN 46228					mm ²	35

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

Miscellaneous

Tightening torque of terminal screw:	3 Nm (27 lb-in)	
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	
Min. Ambient Temperature of Stages:	-5 °C	
Max. 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
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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	UL US	SE	CCC GB14048.3	Lloyd's Register	EAC	
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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	10		
			220 V – 240 V		25		
			440 V – 480 V		50		
			550 V – 600 V		50		

Miscellaneous

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Min. Ambient Temperature of Stages:	-5 °C	
Max. 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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