

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



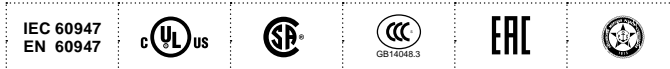
Rated Thermal Current $I_U/I_{th}/I_{the}$				A	100
Rated Insulation Voltage U_i ¹				V	690
Rated Impulse Withstand Voltage U_{imp}				kV	6
Rated Operational Current I_e					
AC-21A	Switching of resistive loads, including moderate overloads			A	100
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V	A	100
			660 V–690 V	A	85
Rated Utilization Category					
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V	kW	18,5
			380 V–440 V		
			500 V		
			660 V–690 V		
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	22
			380 V–440 V		
			500 V		
			660 V–690 V		
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	100
Rated short-time withstand current		(1 s-current)		A	1850
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 :	2,4 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
Storage temperature:	-40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible)	

Approvals and Standards



USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	100
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	100
			600 V	A	100
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

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	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

