

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



Rated Thermal Current $I_U/I_{th}/I_{the}$					
			A	63	
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	63	
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–500 V	A	63	
		660 V–690 V	A	55	
Rated Utilization Category					
AC-3	Direct-on-line starting	3 phase, 3 pole	kW	220 V–240 V	11
				380 V–440 V	18,5
				500 V	22
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	kW	220 V–240 V	11
				380 V–440 V	22
				500 V	30
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	63
Rated short-time withstand current		(1 s-current)		A	580
For connections with insulated ring and fork type cable terminal - copper wires only					
Single-core or stranded wire			mm ²	16	
Flexible wire			mm ²	10	
Flexible wire with sleeving in accordance with DIN 46228			mm ²	10	

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

Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	2,2 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	60
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	60
			600 V		60
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				AWG	6
Flexible wire: AWG wire (without sleeving)				AWG	6
Ratings					
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole		110 V – 120 V	HP	5
			220 V – 240 V		10
			440 V – 480 V		20
			550 V – 600 V		20

Miscellaneous

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Power loss per contact at I_U :	2,2 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

IEC 60947
EN 60947

