

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



Rated Thermal Current $I_U/I_{th}/I_{the}$		A	40				
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	40				
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–500 V	A 40				
		660 V–690 V	A 40				
Rated Utilization Category							
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V	kW	7,5		
			380 V–440 V			11	
			500 V				15
			660 V–690 V				
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	7,5		
			380 V–440 V			15	
			500 V				18,5
			660 V–690 V				
Short Circuit Protection							
Max. fuse size		gG-characteristic		A	50		
Rated short-time withstand current		(1 s-current)		A	500		
For connections with insulated ring and fork type cable terminal - copper wires only							
Single-core or stranded wire				mm <sup>2</sup>	16		
Flexible wire				mm <sup>2</sup>	10		
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	10		

<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 W	
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm	
Resistance to shock:	min. 5 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



### USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	40
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	40
			600 V		40
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 220 V-240 V 440 V-480 V 550 V-600 V	HP	3 7,5 15 15

### Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	1 W	
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm	
Resistance to shock:	min. 5 g, 6 ms	
Ambient Temperature of Stages :	open at 100 % $I_U/I_{th}$ enclosed at 100 % $I_{the}$	50 °C during 24 hours with peaks up to 55 °C 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

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