

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	125
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	125
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	125 90
Rated Utilization Category					
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	22 37 45 22
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	25 45 55 30
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	125
Rated short-time withstand current		(1 s-current)		A	2000
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

Tightening torque of terminal screw:	3 Nm (27 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I <sub>U</sub> :	3,8 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 <sub>U</sub> /I <sub>th</sub>	50 °C during 24 hours with peaks up to 55 °C
	enclosed at 100 % I <sub>the</sub>	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		
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### USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	125
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	125
			600 V		115
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	15
			220 V – 240 V		40
			440 V – 480 V		60
			550 V – 600 V		50

### Miscellaneous

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Power loss per contact at $I_U$ :	3,8 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

