

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 ¹		V	1000		
Rated Impulse Withstand Voltage U_{imp}		kV	8		
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	A 125		
		660 V–690 V	A 100		
Rated Utilization Category					
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V	kW	22
			380 V–440 V		37
			500 V		45
			660 V–690 V		30
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	30
			380 V–440 V		45
			500 V		55
			660 V–690 V		37
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	125
Rated short-time withstand current		(1 s-current)		A	2500
For connections with insulated ring and fork type cable terminal - copper wires only					
Single-core or stranded wire				mm ²	95
Flexible wire				mm ²	70
Flexible wire with sleeving in accordance with DIN 46228				mm ²	70
For connections with cable terminal or copper busbar:					
Connecting screw				mm	M10x20
max. width				mm	20
max. width with protective cover				mm	25

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

Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	3,1 W	
Resistance to vibration:	on request	
Resistance to shock:	on request	
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	KG125: c UL US	KG126/KG127: c RA US	SF	CCC GB14048.3	ERC
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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	150
			600 V		125
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				AWG	3/0
Flexible wire: AWG wire (without sleeving)				AWG	2/0
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	15 30 60 60

Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	3,1 W
Resistance to vibration:	on request
Resistance to shock:	on request
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

