

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



Rated Thermal Current I _U /I _{th} /I _{the}				A	10
Rated Insulation Voltage U _i ¹				V	440
Rated Impulse Withstand Voltage U _{imp}				kV	4
Rated Operational Current I _e					
AC-21A	Switching of resistive loads, including moderate overloads			A	10
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–440 V	A	10
AC-15	Switching of control devices, contactors, valves etc.		110 V	A	2,5
			220 V–240 V		4,5
			380 V–440 V		1,5
Rated Utilization Category					
AC-2	Slip ring motor starting, reversing and plugging, star-delta starting	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	2,5 4,5
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	1,5 2,2
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,3 0,55 0,75
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	0,37 0,55
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,15 0,25 0,5
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	1,8 3
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,37 0,75 1,1
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	10
Rated short-time withstand current		(1 s-current)		A	90
Max. Permissible Wire Gage - copper wires only					2 x
Single-core or stranded wire				mm ²	1,5
Flexible wire				mm ²	1,5
Flexible wire with sleeving in accordance with DIN 46228				mm ²	1

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

Miscellaneous

Tightening torque of terminal screw:	0,6 Nm (5 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	0,4 W	
Resistance to vibration:	on request	
Resistance to shock:	min. 5 g, 30 ms	
Min. Ambient Temperature of Stages:	-5 °C	
Max. Ambient Temperature of Stages:	open at 100 % I_U/I_{th}	55 °C during 24 hours with peaks up to 60 °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	10
Rated Insulation Voltage U_i ¹				V	300
Rated Operational Current I_e ¹					
Pilot Duty:			Heavy	VAC	A300
Ampere Rating	Resistive or low inductive loads			A	10
Max. Permissible Wire Gage - copper wires only					2 x
Single-core or stranded wire				AWG	14
Flexible wire: AWG wire (without sleeving)				AWG	16
Ratings					
Standard motor load, DOL - Rating (similar AC-3)	3 phase	110 V – 120 V	HP	0,75	1
	3 pole	220 V – 240 V			
	1 phase	110 V – 120 V	HP	0,33	0,75
	2 pole	220 V – 240 V 277 V			

Miscellaneous

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Max. Ambient Temperature of Stages:	open at 100 % I_U/I_{th}	55 °C during 24 hours with peaks up to 60 °C
	enclosed at 100 % I_{the}	35 °C during 24 hours with peaks up to 40 °C
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Approvals and Standards

IEC 60947
EN 60947