

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



Rated Thermal Current $I_U/I_{th}/I_{the}$					
				A	25
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	25
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	25 25
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V 380 V–440 V	A	8 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 500 V 660 V–690 V	kW	5,5 11 15 13
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	4 7,5 7,5 7,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	1,5 3 3,7
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	1 2,2 2,5 2,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,2 0,5 0,8
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	5,5 11 11 11
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	1,5 3 5,5
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	35
Rated short-time withstand current		(1 s-current)		A	220
Max. Permissible Wire Gage - copper wires only					
	Single-core or stranded wire			mm ²	4
	Flexible wire			mm ²	2,5
	Flexible wire with sleeving in accordance with DIN 46228			mm ²	2,5

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

Miscellaneous

Tightening torque of terminal screw:	1,3 Nm (12 lb-in)
Minimum Voltage:	20 V
Power loss per contact at I_U :	0,7 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} : 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

IEC 60947
EN 60947



USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$		A	25
Rated Insulation Voltage U_i		V	600
Rated Operational Current I_e			
Pilot Duty:	Heavy	VAC	600
Ampere Rating	Resistive or low inductive loads	A	25
Max. Permissible Wire Gage - copper wires only			
Single-core or stranded wire		AWG	10
Flexible wire: AWG wire (without sleeving)		AWG	12
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 1,5 3 7,5 10
	1-phase 2-pole	110 V – 120 V 220 V – 240 V 277 V 440 V – 480 V 550 V – 600 V	HP 0,75 1,5 2 3 5

Miscellaneous

Tightening torque of terminal screw:	1,3 Nm (12 lb-in)
Minimum Voltage:	20 V
Power loss per contact at I_U :	0,7 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} 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)

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