

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 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	40
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	40 40
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V 380 V–440 V	A	14 6
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	10 18,5 22 22
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	7,5 15 15 15
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	2,5 5,5 7,5
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	3,7 6 6 6
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	1,1 2,2 3,7
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	7,5 18,5 18,5 18,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	2,2 4 7,5
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	50
Rated short-time withstand current		(1 s-current)		A	950
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				mm ²	16
Flexible wire				mm ²	10
Flexible wire with sleeving in accordance with DIN 46228				mm ²	10

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

Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	1 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} enclosed at 100 % I_{the}	55 °C during 24 hours with peaks up to 60 °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

IEC 60947
EN 60947

cULUS

EAC

USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$			
	A	45	
Rated Insulation Voltage U_i			
	V	600	
Rated Operational Current I_e			
Pilot Duty:	Heavy	VAC	A600
Ampere Rating	Resistive or low inductive loads	A	45
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	7,5
		220 V–240 V	15
		440 V–480 V	25
		550 V–600 V	25
	1-phase 2-pole	110 V–120 V	3
		220 V–240 V	7,5
		277 V	7,5
		440 V–480 V	15
		550 V–600 V	15

Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	1 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

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EN 60947