

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–440 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	1,5 3 3 3
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,45 1,1 2,2
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	280	
Max. Permissible Wire Gage - copper wires only				2 x	
Single-core or stranded wire			mm ²	4	
Flexible wire			mm ²	4	
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

Minimum Voltage:	on request	
Power loss per contact at I_U :	0,9 W	
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm	
Resistance to shock:	min. 5 g, 6 ms	
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	30
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	30
Max. Permissible Wire Gage - copper wires only			2 x
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 3 7,5 10 10
	1-phase 2-pole	110 V – 120 V 220 V – 240 V 277 V 440 V – 480 V 550 V – 600 V	HP 1,5 3 3 5 5
	3-phase 3-pole	110 V – 120 V 220 V – 240 V 440 V – 600 V	HP 1 2 5
Heavy motor Load-reversing (similar AC-4)	1-phase 2-pole	110 V – 120 V 220 V – 240 V 277 V	HP 0,33 0,75 1

Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at I_U :	0,9 W	
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm	
Resistance to shock:	min. 5 g, 6 ms	
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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