

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	20
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	20
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	20 20
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V 380 V–440 V	A	5 4
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	4 7,5 10 10
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	3 5,5 5,5 5,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,6 2,2 3
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	0,55 1,5 1,5 1,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,3 0,75 1,5
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	3,7 7,5 7,5 7,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,75 2,5 3,7
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	25
Rated short-time withstand current		(1 s-current)		A	140
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				mm ²	2,5
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

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 $I_U/I_{th}/I_{the}$			UL	CSA
			A	20
Rated Insulation Voltage U_i			V	300
Rated Operational Current I_e				
Pilot Duty:		Heavy	VAC	A300
Ampere Rating	Resistive or low inductive loads		A	20
Max. Permissible Wire Gage - copper wires only				2 x
Single-core or stranded wire			AWG	12
Flexible wire: AWG wire (without sleeving)			AWG	14
Ratings				
Standard motor load, DOL-Rating (similar AC-3)	3 phase	110 V – 120 V	HP	1,5
	3 pole	220 V – 240 V		3
	1 phase	110 V – 120 V	HP	0,5
	2 pole	220 V – 240 V		1
		277 V		2
Heavy motor Load-reversing (similar AC-4)	3 phase	110 V – 120 V	HP	0,5
	3 pole	220 V – 240 V		1
	1 phase	110 V – 120 V	HP	0,17
	2 pole	220 V – 240 V		0,5
		277 V		0,6

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

