

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 _I mp					kV	4
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 16
Rated Utilization Category						
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V	kW	2,2	
			380 V–440 V 500 V 660 V–690 V		3,7 3,7 3,7	
			220 V–240 V	kW	1,1	
			380 V–440 V		1,5	
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	3	
			380 V–440 V 500 V 660 V–690 V		5,5 5,5 5,5	
		1 phase, 2 pole	220 V–240 V 380 V–440 V	kW	1,5 2,2	
Short Circuit Protection						
Max. fuse size		gG-characteristic			A	20
Rated short-time withstand current		(1 s-current)			A	130
For connections with insulated ring and fork type cable terminal - 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:	on request	
Resistance to shock:	on request	
Ambient Temperature of Stages :	open at 100 % I_U/I_{th}	50 °C during 24 hours with peaks up to 55 °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	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	ON/OFF 1-0-2	300 V 300 V	A 20 20
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		AWG	12
	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	HP 1 2

Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at I_U :	0,9 W	
Resistance to vibration:	on request	
Resistance to shock:	on request	
Ambient Temperature of Stages :	open at 100 % I_U/I_{th} enclosed at 100 % I_{the}	50 °C during 24 hours with peaks up to 55 °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)	

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