

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	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 380 V–440 V 500 V 660 V–690 V	kW	2,2 3,7 3,7 3,7
		1 phase, 2 pole	220 V–240 V 380 V–440 V	kW	1,1 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 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

Tightening torque of terminal screw:	0,8 Nm (7 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	0,9 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} 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)	

Approvals and Standards

IEC 60947 EN 60947	UL US	SE	EAC
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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

Tightening torque of terminal screw:	0,8 Nm (7 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	0,9 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} 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

