

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				
			A	32
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	32
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–500 V 660 V–690 V	A	32 32
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	8 15 18,5 15
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	5,5 11 11 11
		1 phase, 2 pole 110 V–120 V 220 V–240 V 380 V–440 V	kW	2,2 4 5,5
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	2,7 5,5 5,5 5,5
		1 phase, 2 pole 110 V–120 V 220 V–240 V 380 V–440 V	kW	0,75 1,5 3
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 15 15 15
		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	350
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		mm ²	6
	Flexible wire		mm ²	6
	Flexible wire with sleeving in accordance with DIN 46228		mm ²	4

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

Miscellaneous

Tightening torque of terminal screw:	2,5 Nm (22 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	1,3 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} 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



USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				
			A	40
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	40
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		AWG	8
	Flexible wire: AWG wire (without sleeving)		AWG	10
Ratings				
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V	HP	5
		220 V – 240 V		10
		440 V – 480 V		20
		550 V – 600 V		25
	1 phase 2 pole	110 V – 120 V	HP	2
		220 V – 240 V		5
		277 V		5
		440 V – 480 V		10
		550 V – 600 V		15
Heavy motor Load-reversing (similar AC-4)	3 phase 3 pole	110 V – 120 V	HP	2
		220 V – 240 V		3
		440 V – 600 V		10
	1 phase 2 pole	110 V – 120 V	HP	1,5
		220 V – 240 V		3
		277 V		3
		440 V – 600 V		

Miscellaneous

Tightening torque of terminal screw:	2,5 Nm (22 lb-in)		
Minimum Voltage:	on request		
Power loss per contact at I _U :	1,3 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}	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