

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



Rated Thermal Current $I_U/I_{th}/I_{the}$					
				A	315
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	315
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	315 125
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	55 90 110 55
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	37 55 55 37
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	11 22 30
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	15 25 25 22
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	4 7,5 11
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	75 132 132 37
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	18,5 37 55
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	315
Rated short-time withstand current		(1 s-current)		A	4200
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire		Cable lug must accept M12		mm ²	185
Flexible wire		Cable lug must accept M12		mm ²	150

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

Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)		
Minimum Voltage:	on request		
Power loss per contact at I_U :	17 W		
Resistance to vibration:	on request		
Resistance to shock:	min. 5 g, 30 ms		
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}	up to 4 pole	35 °C during 24 hours with peaks up to 40 °C
	enclosed at 87 % I_{the}	from 5 pole	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_{the}				
			A	240
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	240
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		MCM	350
	Flexible wire: AWG wire (without sleeving)		MCM	300
Ratings				
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V–120 V	HP	30
		220 V–240 V		75
		440 V–480 V		75
		550 V–600 V		60
	1 phase 2 pole	110 V–120 V	HP	15
		220 V–240 V		40
		277 V		40
		440 V–480 V		50
Heavy motor Load-reversing (similar AC-4)	3 phase 3 pole	110 V–120 V	HP	15
		220 V–240 V		30
		440 V–600 V		40
	1 phase 2 pole	110 V–120 V	HP	7,5
		220 V–240 V		15
		277 V		15

Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)		
Minimum Voltage:	on request		
Power loss per contact at I_U :	17 W		
Resistance to vibration:	on request		
Resistance to shock:	min. 5 g, 30 ms		
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}	up to 4 pole	35 °C during 24 hours with peaks up to 40 °C
	enclosed at 87 % I_{the}	from 5 pole	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 60947C  US
GB14048.3