

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	63
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	63
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	63 63
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	18,5 30 40 37
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	11 18,5 18,5 18,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	3 6 11
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	5,5 7,5 7,5 7,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	1,2 2,4 4
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	15 30 45 40
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	4 10 18,5
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	80
Rated short-time withstand current		(1 s-current)		A	1000
Max. Permissible Wire Gage - copper wires only					2 x
Single-core or stranded wire				mm ²	16
Flexible wire				mm ²	10
Flexible wire with sleeving in accordance with DIN 46228				mm ²	10

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

Miscellaneous

Tightening torque of terminal screw:	3 Nm (26,4 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	1,7 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}	55 °C during 24 hours with peaks up to 60 °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



USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				
		A		65
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	65
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		AWG	6
	Flexible wire: AWG wire (without sleeving)		AWG	6
Ratings				
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V	HP	7,5
		220 V – 240 V		15
		440 V – 480 V		25
		550 V – 600 V		30
	1 phase 2 pole	110 V – 120 V	HP	3
		220 V – 240 V		7,5
		277 V		7,5
		440 V – 480 V		15
Heavy motor Load-reversing (similar AC-4)	3 phase 3 pole	110 V – 120 V	HP	5
		220 V – 240 V		7,5
		440 V – 600 V		20
	1 phase 2 pole	110 V – 120 V	HP	2
		220 V – 240 V		5
		277 V		5

Miscellaneous

Tightening torque of terminal screw:	3 Nm (26,4 lb-in)		
Minimum Voltage:	on request		
Power loss per contact at I _U :	1,7 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