

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 $U_I$ <sup>1</sup>					V	1000
Rated Impulse Withstand Voltage $U_{Imp}$					kV	8
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 <sup>2</sup>	185
Flexible wire		Cable lug must accept M12			mm <sup>2</sup>	150

<sup>1</sup> 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

IEC 60947 EN 60947				
			GB14048.3	

## USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$					
			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

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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

SP

CCC  
GB14048.3

EAC