

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	50
Rated Insulation Voltage $U_I$ <sup>1</sup>				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	50
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	50 50
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V 380 V–440 V	A	16 7
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	11 22 30 30
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	4 7 7 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	11 22 22 22
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	2,5 5,5 11
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	63
Rated short-time withstand current		(1 s-current)		A	950
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				mm <sup>2</sup>	16
Flexible wire				mm <sup>2</sup>	10
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	10

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

## Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	1,8 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 % $I_U/I_{th}$ 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

IEC 60947  
EN 60947

cULUS

EAC

## USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	55
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	55
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
			550 V–600 V		20

## Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	1,8 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 % $I_{the}$	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