

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



Rated Thermal Current I <sub>U</sub> /I <sub>th</sub> /I <sub>the</sub>					
				A	32
Rated Insulation Voltage U <sub>I</sub> <sup>1</sup>					
				V	690
Rated Impulse Withstand Voltage U <sub>imp</sub>					
				kV	6
Rated Operational Current I <sub>e</sub>					
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–440 V	A	32
			660 V–690 V		32
AC-15	Switching of control devices, contactors, valves etc.		220 V–240 V	A	12
			380 V–440 V		6
Rated Utilization Category					
AC-2	Slip ring motor starting, reversing and plugging, star-delta starting	3 phase, 3 pole	220 V–240 V	kW	7,5
			380 V–440 V		15
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole	500 V	kW	18,5
			660 V–690 V		15
			220 V–240 V		5,5
			380 V–440 V		11
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole	500 V	kW	11
			660 V–690 V		11
			110 V–120 V		2,2
			220 V–240 V		4
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	380 V–440 V	kW	5,5
			500 V		5,5
			660 V–690 V		5,5
			110 V–120 V		0,75
AC-23A		1 phase, 2 pole	220 V–240 V	kW	1,5
			380 V–440 V		3
			220 V–240 V		7,5
			380 V–440 V		15
AC-23A		1 phase, 2 pole	500 V	kW	15
			660 V–690 V		15
			110 V–120 V		2,2
			220 V–240 V		4
AC-23A		380 V–440 V	kW	7,5	
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	35
Rated short-time withstand current		(1 s-current)		A	480
Max. Permissible Wire Gage - copper wires only					
Single-core or stranded wire				mm <sup>2</sup>	6
Flexible wire				mm <sup>2</sup>	4
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	4

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

## Miscellaneous

Tightening torque of terminal screw:	1,3 Nm (12 lb-in)
Minimum Voltage:	on request
Power loss per contact at $I_U$ :	0,7 W
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm
Resistance to shock:	min. 5 g, 6 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



## USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				
		A		30
Rated Insulation Voltage $U_i$				
		V		300
Rated Operational Current $I_e$				
Pilot Duty:		Heavy	VAC	A300
Ampere Rating	Resistive or low inductive loads		A	30
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 220 V – 240 V	HP 5 10
		1-phase 2-pole	110 V – 120 V 220 V – 240 V 277 V	HP 2 5 5
	Heavy motor Load-reversing (similar AC-4)	3-phase 3-pole	110 V – 120 V 220 V – 240 V	HP 2 3
		1-phase 2-pole	110 V – 120 V 220 V – 240 V 277 V	HP 1,5 3 3

## Miscellaneous

Tightening torque of terminal screw:	1,3 Nm (12 lb-in)		
Minimum Voltage:	on request		
Power loss per contact at I <sub>U</sub> :	0,7 W		
Resistance to vibration:	min. 4 g, 2-100 Hz, 1,6 mm		
Resistance to shock:	min. 5 g, 6 ms		
Min. Ambient Temperature of Stages:	-5 °C		
Max. Ambient Temperature of Stages:	open at 100 % I <sub>U</sub> /I <sub>th</sub>	55 °C during 24 hours with peaks up to 60 °C	
	enclosed at 100 % I <sub>the</sub>	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