

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



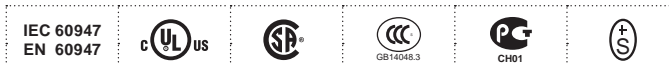
Rated Thermal Current $I_U/I_{th}/I_{the}$		A	10					
Rated Insulation Voltage $U_i$ <sup>1</sup>		V	440					
Rated Impulse Withstand Voltage $U_{imp}$		kV	4					
Rated Operational Current $I_e$								
AC-21A	Switching of resistive loads, including moderate overloads	A	10					
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–440 V	A 10					
AC-15	Switching of control devices, contactors, valves etc.	110 V	2,5					
		220 V–240 V	4,5					
		380 V–440 V	1,5					
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	kW	2,5 4,5			
AC-3	Direct-on-line starting, star-delta starting	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	1,5 4,5			
						1 phase, 2 pole	110 V–120 V	0,3
							220 V–240 V 380 V–440 V	0,55 0,75
AC-4	Direct-on-line starting, reversing, plugging and inching	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	0,37 0,55			
						1 phase, 2 pole	110 V–120 V	0,15
							220 V–240 V 380 V–440 V	0,25 0,5
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V 380 V–440 V	kW	1,8 3			
						1 phase, 2 pole	110 V–120 V	0,37
							220 V–240 V 380 V–440 V	0,75 1,1
Short Circuit Protection								
Max. fuse size		gG-characteristic		A	10			
Rated short-time withstand current		(1 s-current)		A	90			
Max. Permissible Wire Gage - copper wires only				2 x				
Single-core or stranded wire				mm <sup>2</sup>	1,5			
Flexible wire				mm <sup>2</sup>	1,5			
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	1			

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

## Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	0,4 W	
Resistance to vibration:	on request	
Resistance to shock:	min. 5 g, 30 ms	
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	10
Rated Insulation Voltage $U_i$ <sup>1</sup>		V	300
Rated Operational Current $I_e$ <sup>1</sup>			
Pilot Duty:		Heavy	VAC A300
Ampere Rating	Resistive or low inductive loads	A	10
Max. Permissible Wire Gage - copper wires only			2 x
Single-core or stranded wire		AWG	14
Flexible wire: AWG wire (without sleeving)		AWG	16
<b>Ratings</b>			
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V 220 V – 240 V	HP 0,75 1
	1 phase 2 pole	110 V – 120 V 220 V – 240 V 277 V	HP 0,33 0,75 0,75

Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	0,4 W	
Resistance to vibration:	on request	
Resistance to shock:	min. 5 g, 30 ms	
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

