

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



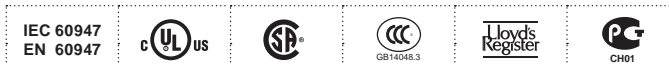
<b>Rated Thermal Current <math>I_U/I_{th}/I_{the}</math></b>					
			A	25	
<b>Rated Insulation Voltage <math>U_i</math> <sup>1</sup></b>					
			V	690	
<b>Rated Impulse Withstand Voltage <math>U_{imp}</math></b>					
			kV	6	
<b>Rated Operational Current <math>I_e</math></b>					
AC-21A	Switching of resistive loads, including moderate overloads		A	25	
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–440 V	A	25	
		500 V	A	25	
		660 V–690 V	A	25	
AC-15	Switching of control devices, contactors, valves etc.	110 V	A	8	
		220 V–240 V	A	8	
		380 V–440 V	A	5	
<b>Rated Utilization Category</b>					
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	5,5 11 15 13
		3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	4
					7,5
7,5					
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	4
					7,5
					7,5
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	1,5
					3,7
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	1,5
					3
					3
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,45
					1,1
2,2					
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	5,5
					11
					11
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	1,5
					3
5,5					
5,5					
5,5					
<b>Short Circuit Protection</b>					
Max. fuse size		gG-characteristic		A	35
Rated short-time withstand current		(1 s-current)		A	250
<b>Max. Permissible Wire Gage - copper wires only</b>					
Single-core or stranded wire				mm <sup>2</sup>	4
Flexible wire				mm <sup>2</sup>	2,5
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	2,5

<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 $I_U$ :	2,3 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



### USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$		A	25
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	25
Max. Permissible Wire Gage - copper wires only			2 x
Single-core or stranded wire			AWG 10
Flexible wire: AWG wire (without sleeving)			AWG 12
<b>Ratings</b>			
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V 220 V – 240 V 440 V – 480 V 550 V – 600 V	HP 2 5 10 10
	1 phase 2 pole	110 V – 120 V 220 V – 240 V 277 V 440 V – 480 V 550 V – 600 V	HP 1 2 3 5 5
	3 phase 3 pole	110 V – 120 V 220 V – 240 V 440 V – 600 V	HP 1 2 5
Heavy motor Load-reversing (similar AC-4)	1 phase 2 pole	110 V – 120 V 220 V – 240 V 277 V 440 V – 600 V	HP 0,33 0,75 1 2

### Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at $I_U$ :	2,3 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

IEC 60947  
EN 60947

