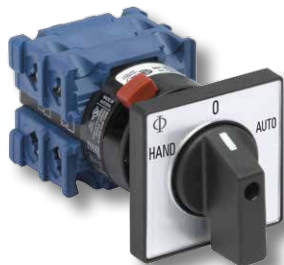


According to IEC 60947-3, EN 60947-3, VDE 0660 part 107

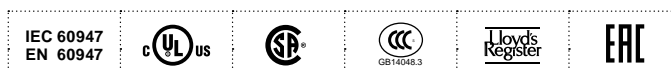


Rated Thermal Current $I_U/I_{th}/I_{the}$					A	20
Rated Insulation Voltage U_I ¹					V	690
Rated Impulse Withstand Voltage U_{imp}					kV	6
Rated Operational Current I_e						
AC-21A	Switching of resistive loads, including moderate overloads			A	20	
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–440 V 500 V 660 V–690 V	A	20 20 16	
AC-15	Switching of control devices, contactors, valves etc.		110 V 220 V–240 V 380 V–440 V	A	5 5 4	
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	4 7,5 10 10	
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	3 5,5 5,5 5,5	
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	0,6 2,2 3 3 3	
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	0,55 1,55 1,55 1,55	
		1 phase, 2 pole	110 V–120 V 220 V–240 V 380 V–440 V	kW	0,3 0,75 1,5	
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	3,7 7,5 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	0,75 2,5 3,7 4 4	
Short Circuit Protection						
Max. fuse size		gG-characteristic		A	25	
Rated short-time withstand current		(1 s-current)		A	200	
Max. Permissible Wire Gage - copper wires only					2 x	
Single-core or stranded wire				mm ²	4	
Flexible wire				mm ²	2,5	
Flexible wire with sleeving in accordance with DIN 46228				mm ²	2,5	

Miscellaneous

Tightening torque of terminal screw:	1,2 Nm (10 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	1,4 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



USA / Canada








Rated Thermal Current $I_U/I_{th}/I_{the}$				
		A		20
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	20
Max. Permissible Wire Gage - copper wires only				
	Single-core or stranded wire		AWG	10
	Flexible wire: AWG wire (without sleeving)		AWG	12
Ratings				
Standard motor load, DOL-Rating (similar AC-3)	3 phase 3 pole	110 V – 120 V	HP	1,5
		220 V – 240 V		3
		440 V – 480 V		5
		550 V – 600 V		5
	1 phase 2 pole	110 V – 120 V	HP	0,5
		220 V – 240 V		1
		277 V		2
		440 V – 480 V		2
	3 phase 3 pole	110 V – 120 V	HP	0,5
		220 V – 240 V		1
		440 V – 600 V		3
Heavy motor Load-reversing (similar AC-4)	1 phase 2 pole	110 V – 120 V	HP	0,17
		220 V – 240 V		0,5
		277 V		0,6
		440 V – 600 V		1,5

Miscellaneous

Tightening torque of terminal screw:	1,2 Nm (10 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	1,4 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			 GB14048.3		
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