

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				
			A	40
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	40
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–500 V 660 V–690 V	A	40 40
AC-15	Switching of control devices, contactors, valves etc.	220 V–240 V 380 V–440 V	A	14 6
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	10 18,5 22 22
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	7,5 15 15 15
		1 phase, 2 pole 110 V–120 V 220 V–240 V 380 V–440 V	kW	2,5 5,5 7,5
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	3,7 6 6 6
		1 phase, 2 pole 110 V–120 V 220 V–240 V 380 V–440 V	kW	1,1 2,2 3,7
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	7,5 18,5 18,5 18,5
		1 phase, 2 pole 110 V–120 V 220 V–240 V 380 V–440 V	kW	2,2 4 7,5
Short Circuit Protection				
Max. fuse size	gG-characteristic		A	50
Rated short-time withstand current	(1 s-current)		A	950
Max. Permissible Wire Gage - copper wires only				
Single-core or stranded wire			mm ²	16
Flexible wire			mm ²	10
Flexible wire with sleeving in accordance with DIN 46228			mm ²	10

¹ 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 :	1 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

IEC 60947
EN 60947

USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$					
				A	45
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	45
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		25
		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		15

Miscellaneous

Minimum Voltage:	on request	
Power loss per contact at I_U :	1 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