

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



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	125
Rated Insulation Voltage U_i ¹				V	1000
Rated Impulse Withstand Voltage U_{imp}				kV	8
Rated Operational Current I_e					
AC-21A	Switching of resistive loads, including moderate overloads			A	125
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads		220 V–500 V 660 V–690 V	A	125 100
Rated Utilization Category					
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V 380 V–440 V 500 V 660 V–690 V	kW	22 37 45 30
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	30 45 55 37
Short Circuit Protection					
Max. fuse size		gG-characteristic		A	125
Rated short-time withstand current		(1 s-current)		A	2500
For connections with insulated ring and fork type cable terminal - copper wires only					
Single-core or stranded wire				mm ²	95
Flexible wire				mm ²	70
Flexible wire with sleeving in accordance with DIN 46228				mm ²	70
For connections with cable terminal or copper busbar:					
Connecting screw				mm	M10x20
max. width				mm	20
max. width with protective cover				mm	25

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 :	3,1 W	
Resistance to vibration:	on request	
Resistance to shock:	on request	
Ambient Temperature of Stages :	open at 100 % I_U/I_{th}	50 °C during 24 hours with peaks up to 55 °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	KG125:  US	KG126/KG127:  US		 GB14048.3	 CH01
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USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$					
				A	125
Rated Insulation Voltage U_i					
				V	600
Rated Operational Current I_e					
Pilot Duty:			Heavy	VAC	A600
Ampere Rating	Resistive or low inductive loads	ON/OFF 1-0-2	600 V 600 V	A	150 125
Max. Permissible Wire Gage - copper wires only					
	Single-core or stranded wire			AWG	3/0
	Flexible wire: AWG wire (without sleeving)			AWG	2/0
Ratings					
	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	15 30 60 60

Miscellaneous

Minimum Voltage:	on request		
Power loss per contact at I _U :	3,1 W		
Resistance to vibration:	on request		
Resistance to shock:	on request		
Ambient Temperature of Stages :	open at 100 % I _U /I _{th} enclosed at 100 % I _{the}	50 °C during 24 hours with peaks up to 55 °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	KG125: c UL US	KG126/KG127: c UL US	SP	CCC GB14048.3	PG CH01
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