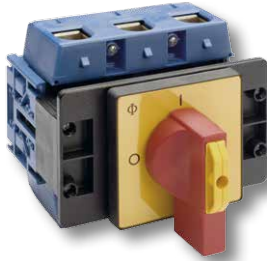


According to IEC 60947-3, EN 60947-3, VDE 0660 part 107



Rated Thermal Current $I_U/I_{th}/I_{the}$		A	160				
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	160				
AC-22A	Switching of combined resistive or low inductive loads including moderate overloads	220 V–500 V	A 160				
		660 V–690 V	A 100				
Rated Utilization Category							
AC-3	Direct-on-line starting	3 phase, 3 pole	220 V–240 V	kW	30		
			380 V–440 V			45	
			500 V				55
			660 V–690 V				
AC-23A	Frequent switching of motors or other high inductive loads	3 phase, 3 pole	220 V–240 V	kW	30		
			380 V–440 V			55	
			500 V				75
			660 V–690 V				
Short Circuit Protection							
Max. fuse size		gG-characteristic		A	160		
Rated short-time withstand current		(1 s-current)		A	3000		
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.

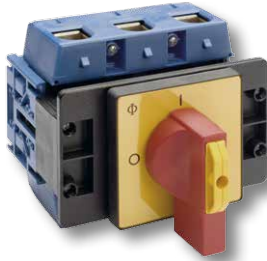
Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)	
Minimum Voltage:	on request	
Power loss per contact at I_U :	5 W	
Resistance to vibration:	on request	
Resistance to shock:	on request	
Min. Ambient Temperature of Stages:	-5 °C	
Max. 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	KG160: 	KG161/KG162: 		 GB14048.3	
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USA / Canada



Rated Thermal Current $I_U/I_{th}/I_{the}$				A	160
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	A	200
			600 V		160
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	HP	20
			220 V – 240 V		40
			440 V – 480 V		60
			550 V – 600 V		60

Miscellaneous

Tightening torque of terminal screw:	14 Nm (125 lb-in)
Minimum Voltage:	on request
Power loss per contact at I_U :	5 W
Resistance to vibration:	on request
Resistance to shock:	on request
Min. Ambient Temperature of Stages:	-5 °C
Max. 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

