

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



Rated Thermal Current $I_U/I_{th}/I_{the}$		A	50				
Rated Insulation Voltage $U_i$ <sup>1</sup>		V	1000				
Rated Impulse Withstand Voltage $U_{imp}$		kV	8				
Rated Operational Current $I_e$ at DC21-B							
<b>Number of contacts in series</b>							
Voltage V d.c.	1	2	3	4	6	8	A
	125	250	375	500	750	1000	50
	200	400	600	800	1000	-	40
	250	500	750	1000	-	-	30
	330	660	1000	-	-	-	20
	400	800	-	-	-	-	12
	500	1000	-	-	-	-	8
<b>Short Circuit Protection</b>							
Max. fuse size		gG-characteristic		A	63		
Rated short-time withstand current		(1 s-current)		A	580		
<b>For connections with insulated ring and fork type cable terminal - copper wires only</b>							
Single-core or stranded wire				mm <sup>2</sup>	16		
Flexible wire				mm <sup>2</sup>	10		
Flexible wire with sleeving in accordance with DIN 46228				mm <sup>2</sup>	10		

USA / UL508i

Rated Thermal Current $I_U/I_{th}/I_{the}$		A	40	
Rated Insulation Voltage $U_i$		V	600	
Rated Operational Current $I_e$				
<b>Number of contacts in series</b>				
Voltage V d.c.	1	2	4	A
	-	-	600	40
	-	500	-	20
	330	-	-	10
<b>Max. Permissible Wire Gage - copper wires only</b>				
Single-core or stranded wire		AWG		6
Flexible wire: AWG wire (without sleeving)		AWG		6

### Miscellaneous

Tightening torque of terminal screw:	1,8 Nm (16 lb-in)
Minimum Voltage:	on request
Power loss per contact at $I_U$ :	1 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



GB14048.3