

CH10B-1

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Gold

Classification Terminal: Screw terminal

IEC 60947-3 EN 60947-3, VDE 0660 Teil 107

Rated insulation voltage Ui				
		Voltage (V)	AC / DC	
		690	AC	
Rated impulse withstand voltage Uimp				
Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch
Rated uninterrupted current Iu/Ith				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
16	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C	
Rated operational current Ie				
Utilization category		Voltage (V)		Current (A)
AC-15		220 - 240		1,50
AC-15		380 - 440		1
AC-21A		12 - 690		16
Max. Fuse rating IEC				
Fuse characteristic		No. of Fuses		Current (A)
gG		1		16

UL60947-4-1 , UL508

Rated insulation voltage Ui			
		Voltage (V)	AC / DC
		600	AC
Rated thermal current			
		Current (A)	Ambient temperature (°C) Additional Text
		15	0 - 40 --


GENERAL TECHNICAL INFORMATION

Tightening torque of screws				
		tightening torque (Nm)		tightening torque (lb-in)
		1		9
Rated short-time withstand current I _{cw}				
		Time (s)		Current (A)
		1		130
Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm ²) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	2	AWG 12	Copper
Flexible wire	Max.	2	2.5mm ²	Copper
Single-core or stranded wire	Max.	2	AWG 10	Copper
Single-core or stranded wire	Max.	2	4mm ²	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm ²	Copper

Approbations	
Specification	Marking
CE marking	
UK Directives	

IEC 60947-3; EN 60947-3; VDE 0660 Teil107

IEC 60947-3
EN 60947-3

Approbations		
Specification		Marking
UL 60947-4-1; CSA C22.2 No. 60947-4-1		
Power loss per pole		
		Power (W)
		1,60
Conditions during transport and storing		
Minimum temperature (°C)	Maximum temperature (°C)	additional requirements
-40	85	In case of temperatures below -5°C no shock load permissible
General Information		
Text		
<ul style="list-style-type: none"> - Use only copper wires with or without tinned/silver-plated individual wires. Soldering the end of the wire before wiring is not allowed. - Terminals with factory fitted jumper links are tightened during production for loss prevention. When opening the terminal clamps, make sure that no factory fitted links get lost and that all wire connections are properly seated. - After wiring, ALL terminal screws must be tightened to the specified torque values. - The protection class of the selected mounting type may vary if optional extras are used. - Do not lubricate or treat contacts. - Switches may only be mounted, connected and set into operation by qualified persons according to the accepted rules of technology. - After installation of the switches the spacings between the terminals must be sufficient to fulfill the requirement of the applicable standards. 		
Operating temperature		
Min. Temperature [°C]		Max. Temperature [°C]
-25		60