

CA10B-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 U_i				
		Voltage (V)	AC / DC	
		690	AC	
Rated impulse withstand voltage U_{imp}				
Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch
Rated uninterrupted current I_u/I_{th}				
Current (A)	Ambient temperature (°C)	Peak temperature (°C)	additional requirements	
20	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C	
Rated operational current I_e				
Utilization category		Voltage (V)		Current (A)
AC-15		220 - 240		2,50
AC-15		380 - 440		1,50
AC-21A		12 - 690		20
Max. Fuse rating IEC				
Fuse characteristic			No. of Fuses	Current (A)
gG			1	20

UL60947-4-1, UL508

Rated insulation voltage U_i			
		Voltage (V)	AC / DC
		300	AC
Rated thermal current			
Current (A)		Ambient temperature (°C)	Additional Text
16		0 - 40	--

CSA

Rated insulation voltage U_i			
		Voltage (V)	AC / DC
		300	AC
Rated thermal current			
Current (A)		Ambient temperature (°C)	Additional Text
16		0 - 40	--

GENERAL TECHNICAL INFORMATION

Tightening torque of screws				
		tightening torque (Nm)	tightening torque (lb-in)	
		0,60	5	
Rated short-time withstand current I_{sw}				
		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	2.5mm ²	Copper
Flexible wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	AWG 12	Copper
Single-core or stranded wire	Max.	2	2.5mm 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

UL 60947-4-1; CSA C22.2 No. 60947-4-1



CSA C.22.2 No.14



Russian Maritime Register of Shipping



Power loss per pole

Power (W)

1,40

Conditions during transport and storing

Minimum temperature (°C)

-40

Maximum temperature (°C)

85

additional requirements

In case of temperatures below -5°C no shock load permissible

General Information

Text

- 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]

-25

Max. Temperature [°C]

60