

## CA10-1

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Gold

Classification Terminal: Screw terminal

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

<b>Rated insulation voltage Ui</b>				
		Voltage (V)	AC / DC	
		690	AC	
<b>Rated impulse withstand voltage Uimp</b>				
Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch
<b>Rated uninterrupted current Iu/Ith</b>				
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	
<b>Rated operational current Ie</b>				
Utilization category		Voltage (V)		Current (A)
AC-15		220 - 240		2,50
AC-15		380 - 440		1,50
AC-21A		12 - 690		20
<b>Max. Fuse rating IEC</b>				
Fuse characteristic			No. of Fuses	Current (A)
gG			1	20

### UL60947-4-1, UL508

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

### CSA

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

### GENERAL TECHNICAL INFORMATION

<b>Tightening torque of screws</b>				
		tightening torque (Nm)	tightening torque (lb-in)	
		0,60	5	
<b>Rated short-time withstand current Icw</b>				
		Time (s)	Current (A)	
		1	130	
<b>Size of conductor</b>				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Flexible wire	Max.	2	2.5mm <sup>2</sup>	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 <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm <sup>2</sup>	Copper

<b>Approbations</b>	
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