



Sample image

## CA4-1

Type Size: S00

Classification Contact: Rigid contact bridge

Classification Contact Mat: Gold plated

Classification Terminal: Screw terminal

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

**Rated insulation voltage Ui**

Voltage (V)	AC / DC
440	AC / DC

**Rated impulse withstand voltage Uimp**

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
4	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
10	55	60	Ambient temperature +55°C during 24 hours with peaks up to +60°C

**Conventional enclosed thermal current Ithe**

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
10	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--

**Rated operational current Ie**

Utilization category	Voltage (V)	Current (A)
AC-15	220 - 240	2,50
AC-15	380 - 440	1,50
AC-20A	440	10
AC-21A	440	10
AC-22A	220 - 440	10

**Rated operational power**

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-2	220 - 240	3	3	2,50
AC-2	380 - 440	3	3	4,50
AC-3	220 - 240	3	3	1,50
AC-3	380 - 440	3	3	2,20
AC-3	110 - 120	1	2	0,30
AC-3	220 - 240	1	2	0,55
AC-3	380 - 440	1	2	0,75
AC-4	220 - 240	3	3	0,37
AC-4	380 - 440	3	3	0,55
AC-4	110 - 120	1	2	0,15
AC-4	220 - 240	1	2	0,25
AC-4	380 - 440	1	2	0,50
AC-23A	220 - 240	3	3	1,80
AC-23A	380 - 440	3	3	3
AC-23A	110 - 120	1	2	0,37
AC-23A	220 - 240	1	2	0,75
AC-23A	380 - 440	1	2	1,10

**Max. Fuse rating IEC**

Fuse characteristic	No. of Fuses	Current (A)
gG	1	10

### UL60947-4-1, UL508

**Rated insulation voltage Ui**

Voltage (V)	AC / DC
300	AC

**Rated thermal current**

Current (A)	Ambient temperature (°C)	Additional Text
10	0 - 40	--

**CSA**

Rated insulation voltage UI	Voltage (V)	AC / DC
	300	AC

Rated thermal current	Current (A)	Ambient temperature (°C)	Additional Text
	10	0 - 40	-

**GENERAL TECHNICAL INFORMATION**

Tightening torque of screws	tightening torque (Nm)	tightening torque (lb-in)
	0,60	5

Rated short-time withstand current Icw	Time (s)	Current (A)
	1	60

Size of conductor				
composition of conductor	Min. / Max. value	No. of conductor per terminal	Cross section (mm <sup>2</sup> ) or (AWG/kcmil)	Material of the wire
Solid wire	Min.	1	0.5mm <sup>2</sup>	Copper
Solid wire	Min.	2	0.5mm <sup>2</sup>	Copper
Flexible wire	Min.	1	0.75mm <sup>2</sup>	Copper
Flexible wire	Min.	2	0.75mm <sup>2</sup>	Copper
Flexible wire	Max.	2	AWG 16	Copper
Flexible wire	Max.	2	1.5mm <sup>2</sup>	Copper
Single-core or stranded wire	Max.	2	AWG 14	Copper
Single-core or stranded wire	Max.	2	1.5mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Min.	1	0.5mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Max.	2	1mm <sup>2</sup>	Copper
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm <sup>2</sup>	Copper

Approbations	Marking
Specification	

CE marking	
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UK Directives	
IEC 60947-3; EN 60947-3; VDE 0660 Teil107	<b>IEC 60947-3 EN 60947-3</b>

UL 60947-4-1; CSA C22.2 No. 60947-4-1	
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CSA C.22.2 No.14	
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Russian Maritime Register of Shipping	
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Power loss per pole	Power (W)
	0,90

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

Shock / Vibration	
Type of oscillation	Values
Resistance to vibration	Min. 4g, 2-100Hz, 1,6mm
Resistance to shock	Min. 5g, 6ms
Resistance to vibration	IEC 61373 (1999) Category 1, Class B

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.
- DC switching capacity applies to ON/OFF switches.
- 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.

**General Information***Text*

- 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