



Sample image

CA10

Type Size: S0

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

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 / DC

Rated impulse withstand voltage U_{imp}

Voltage (kV)	Overtoltage category	Pollution degree	Supply system	Function
6	III	3	Valid for lines with grounded common neutral termination	Switch
4	III	3	Valid for lines with grounded common neutral termination	Switch disconnecter

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

Conventional enclosed thermal current I_{the}

Current (A)	Ambient temperature (°C)	Peak temperature (°C)	Additional requirements	No. of stages (from - to)	Mounting	Mounting size
20	35	40	Ambient temperature +35°C during 24 hours with peaks up to +40°C	--	--	--

Rated operational current I_e

Utilization category	Voltage (V)	Current (A)
AC-15	220 - 240	6
AC-15	380 - 440	4
AC-20A	690	20
AC-21A	20 - 690	20
AC-22A	220 - 500	20
AC-22A	660 - 690	20

Rated operational power

Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-6b	380 - 400	3	3	--
AC-6b	220 - 230	1	2	--
AC-2	220 - 240	3	3	4
AC-2	380 - 440	3	3	7,50
AC-2	500 - 500	3	3	10
AC-2	660 - 690	3	3	10
AC-3	220 - 240	3	3	3
AC-3	380 - 440	3	3	5,50
AC-3	500 - 500	3	3	5,50
AC-3	660 - 690	3	3	5,50
AC-3	110 - 120	1	2	0,60
AC-3	220 - 240	1	2	2,20
AC-3	380 - 440	1	2	3
AC-4	220 - 240	3	3	0,55
AC-4	380 - 440	3	3	1,50
AC-4	500 - 500	3	3	1,50
AC-4	660 - 690	3	3	1,50
AC-4	110 - 120	1	2	0,30
AC-4	220 - 240	1	2	0,75
AC-4	380 - 440	1	2	1,50
AC-23A	220 - 240	3	3	3,70
AC-23A	380 - 440	3	3	7,50
AC-23A	500 - 500	3	3	7,50
AC-23A	660 - 690	3	3	7,50

Rated operational power				
Utilization category	Voltage (V)	No. of phases	No. of poles	Power (kW)
AC-23A	110 - 120	1	2	0,75
AC-23A	220 - 240	1	2	2,50
AC-23A	380 - 440	1	2	3,70

Max. Fuse rating IEC		
Fuse characteristic	No. of Fuses	Current (A)
gG	1	25

UL60947-4-1 , UL508

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

Rated thermal current			
Current (A)	Ambient temperature (°C)	Additional Text	
20	0 - 40	-	

CSA

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

Rated thermal current			
Current (A)	Ambient temperature (°C)	Additional Text	
20	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	140	

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	
Solid wire	Min.	1	0.5mm ²	Copper	
Solid wire	Min.	2	0.5mm ²	Copper	
Flexible wire	Min.	1	0.75mm ²	Copper	
Flexible wire	Min.	2	0.75mm ²	Copper	
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	Min.	1	0.5mm ²	Copper	
Flexible wire with ferrule according to DIN 46228	Max.	2	2.5mm ²	Copper	
Flexible wire with ferrule according to DIN 46228	Min.	2	0.5mm ²	Copper	


Approbations	
Specification	Marking

EAC 

CE marking 

UK Directives
Lloyd's Register EMEA 

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

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

CSA C.22.2 No.14 

Approbations	Marking
Specification	

GB/T14048.3



Russian Maritime Register of Shipping


Power loss per pole
Power (W)

0,90

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

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

Resistance to shock

min. 5g, 30ms

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.
- 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