



## CA4

Type Size: S00

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Screw terminal

Sample image

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

#### Rated insulation voltage $U_i$

Voltage (V)	AC / DC
440	AC / DC

#### Rated impulse withstand voltage $U_{imp}$

Voltage (kV)	Overvoltage category	Pollution degree	Supply system	Function
4	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
10	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
10	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	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 $U_i$

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)	
0,40	3,50	

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	Max.	2	1mm <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	Min.	2	0.5mm <sup>2</sup>	Copper

Approbations	
Specification	Marking

EAC	
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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)	
0,40	

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

General Information	
Text	

- DC switching capacity applies to ON/OFF switches.

**General Information***Text*

- 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.
- Use copper wire only. Do not coat the wire end with tin.
- Terminals with factory fitted jumper links are tightened during production. Take care during installation to ensure factory fitted links are not lost by undoing both sides of linked terminals. After wiring, all terminal screws must be tightened to recommended torque specifications.
- 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



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