

Sample image

CA20Y

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 |

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 /Ith

| Current (A) | Ambient temperature (°C) | Peak temperature (°C) | additional requirements |
|-------------|--------------------------|-----------------------|--|
| 25 | 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 | 8 |
| AC-15 | 380 - 440 | 5 |
| AC-20A | 690 | 25 |
| AC-21A | 20 - 690 | 25 |
| AC-22A | 220 - 500 | 25 |
| AC-22A | 660 - 690 | 25 |

Rated operational power

| Utilization category | Voltage (V) | No. of phases | No. of poles | Power (kW) |
|----------------------|-------------|---------------|--------------|------------|
| AC-2 | 220 - 240 | 3 | 3 | 5,50 |
| AC-2 | 380 - 440 | 3 | 3 | 11 |
| AC-2 | 500 - 500 | 3 | 3 | 15 |
| AC-2 | 660 - 690 | 3 | 3 | 13 |
| AC-3 | 220 - 240 | 3 | 3 | 4 |
| AC-3 | 380 - 440 | 3 | 3 | 7,50 |
| AC-3 | 500 - 500 | 3 | 3 | 7,50 |
| AC-3 | 660 - 690 | 3 | 3 | 7,50 |
| AC-3 | 110 - 120 | 1 | 2 | 1,50 |
| AC-3 | 220 - 240 | 1 | 2 | 3 |
| AC-3 | 380 - 440 | 1 | 2 | 3,70 |
| AC-4 | 220 - 240 | 3 | 3 | 1,50 |
| AC-4 | 380 - 440 | 3 | 3 | 3 |
| AC-4 | 500 - 500 | 3 | 3 | 3 |
| AC-4 | 660 - 690 | 3 | 3 | 3 |
| AC-4 | 110 - 120 | 1 | 2 | 0,45 |
| AC-4 | 220 - 240 | 1 | 2 | 1,10 |
| AC-4 | 380 - 440 | 1 | 2 | 2,20 |
| AC-23A | 220 - 240 | 3 | 3 | 5,50 |
| AC-23A | 380 - 440 | 3 | 3 | 11 |
| AC-23A | 500 - 500 | 3 | 3 | 11 |
| AC-23A | 660 - 690 | 3 | 3 | 11 |
| AC-23A | 110 - 120 | 1 | 2 | 1,50 |
| AC-23A | 220 - 240 | 1 | 2 | 3 |
| AC-23A | 380 - 440 | 1 | 2 | 5,50 |

Max Fuse Rating IEC

| Fuse characteristic | No. of Fuses | Current (A) |
|---------------------|--------------|-------------|
| gG | 1 | 35 |

UL60947-4-1, UL508

Rated insulation voltage U_i

| Voltage (V) | AC / DC |
|-------------|---------|
| 600 | AC |

| Rated thermal current | | | |
|-----------------------|--------------------------|-----------------|--|
| Current (A) | Ambient temperature (°C) | Additional Text | |
| 30 | 0 - 40 | - | |

CSA

| Rated insulation voltage Ui | | |
|-----------------------------|---------|--|
| Voltage (V) | AC / DC | |
| 600 | AC | |

| Rated thermal current | | | |
|-----------------------|--------------------------|-----------------|--|
| Current (A) | Ambient temperature (°C) | Additional Text | |
| 30 | 0 - 40 | - | |

GENERAL TECHNICAL INFORMATION


| Tightening torque of screws | | |
|-----------------------------|---------------------------|--|
| tightening torque (Nm) | tightening torque (lb-in) | |
| 1 | 9 | |

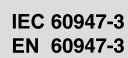
| Rated short-time withstand current Icw | | |
|--|-------------|--|
| Time (s) | Current (A) | |
| 1 | 280 | |

| 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 | AWG 12 | Copper |
| flexible wire | Max. | 2 | 4mm ² | Copper |
| Single-core or stranded wire | Max. | 2 | AWG 10 | Copper |
| Single-core or stranded wire | Max. | 2 | 4mm ² | Copper |
| flexible wire with ferrule according to DIN 46228 | Max. | 2 | 2.5mm ² | Copper |

| Approbations | |
|---------------|---------|
| Specification | Marking |

EAC 

CE marking 

UK Directives
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 

| 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 | |

| 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.
- The coil of the under-voltage release contains voltage-sensitive components. To avoid destruction of these components the coil shall be disconnected during voltage testing.
- 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] | Max. Temperature [°C] | |
| -5 | 40 | |