Sample image

# CHR16L

Type Size: S1

Classification Contact: Rigid contact bridge

Classification Contact Mat: Silver

Classification Terminal: Ring type terminal

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

**Rated insulation voltage Ui**

| *Voltage (V)* | *AC / DC* |
|---|---|
| 690 | AC |

**Rated impulse withstand voltage Uimp**

| *Voltage (kV)* | *Overvoltage category* | *Pollution degree* | *Supply system* | *Function* |
|---|---|---|---|---|
| 6 | 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* |
|---|---|---|---|
| 25 | 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 | 110 - 110 | 8 |
| AC-15 | 220 - 240 | 8 |
| AC-15 | 380 - 440 | 5 |
| AC-20A | 690 | 25 |
| AC-21A | 20 - 690 | 25 |
| AC-22A | 220 - 440 | 25 |
| AC-22A | 500 - 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-3 | 500 - 500 | 1 | 2 | 4 |
| AC-3 | 660 - 690 | 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 |

| Rated operational power | | | | |
|---|---|---|---|---|
| *Utilization category* | *Voltage (V)* | *No. of phases* | *No. of poles* | *Power (kW)* |
| 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 |
| AC-23A | 500 - 500 | 1 | 2 | 5,50 |
| AC-23A | 660 - 690 | 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 Ui | |
|---|---|
| *Voltage (V)* | *AC / DC* |
| 600 | AC |

| Rated thermal current | | |
|---|---|---|
| *Current (A)* | *Ambient temperature (°C)* | *Additional Text* |
| 25 | 0 - 40 | -- |

## GENERAL TECHNICAL INFORMATION

| Tightening torque of screws | |
|---|---|
| *tightening torque (Nm)* | *tightening torque (lb-in)* |
| 1 | 8,80 |

| Rated short-time withstand current Icw | |
|---|---|
| *Time (s)* | *Current (A)* |
| 1 | 250 |

| Approbations | |
|---|---|
| *Specification* | *Marking* |
| EAC | |
| CE marking | |
| UK Directives | |
| IEC 60947-3; EN 60947-3; VDE 0660 Teil107 | IEC 60947-3<br>EN 60947-3 |
| UL 60947-4-1; CSA C22.2 No. 60947-4-1 | |

| Power loss per pole |
|---|
| *Power (W)* |
| 2,30 |

| 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*

- 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.
- Use only isolated ringtype cable lugs or forked cable lugs.
- 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]* | *Max. Temperature [°C]* |
| -5 | 40 |

## Dimensions ring cable lug

| | | |
|---|---|---|
| | A(mm) | 8,80 mm |