



| General characteristics | | | |
|---|-------------------------|------|------------------|
| Number of poles | Nr. | | 3 |
| Overvoltage category | | | III |
| Pollution degree | | | 3 |
| Frontal IP degree | | | IP20 |
| Type of release | | | Thermal |
| Protection fuse | aM (IEC) | A | 0.5 |
| | RK5 (UL) | A | 1 |
| Phase failure detection | | | yes |
| Reset mode | | | Automatic |
| Power circuit characteristics | | | |
| Rated insulation voltage U_i IEC/EN | V | | 690 |
| Rated impulse withstand voltage U_{imp} | kV | | 8 |
| Rated operational voltage | V | | 690 |
| Operational frequency | min | Hz | 0 |
| | max | Hz | 400 |
| Operational current I_e | Operational current min | A | 0.14 |
| | Operational current max | A | 0.23 |
| Tripping class | | | 10A |
| Test Button | | | Yes |
| Trip indicator | | | yes |
| Terminals | type | | screw and washer |
| | screw | | M4 |
| | width | mm | 9.8 |
| | tool | | Phillips 2 |
| Tightening torque for terminals | min | Nm | 2.3 |
| | max | Nm | 2.3 |
| | min | lbin | 1.7 |
| | max | lbin | 1.7 |
| Conductor section | | | |
| | AWG/kcmil max | | 10 |
| Auxiliary circuit characteristics | | | |
| Auxiliary contacts | NO | Nr. | 1 |
| | NC | Nr. | 1 |
| Auxiliary Rated insulation voltage U_i IEC/EN | V | | 690 |
| Auxiliary Rated impulse withstand voltage U_{imp} | kV | | 6 |
| Auxiliary Rated operational voltage | V | | 690 |
| Operating current AC15 | | | |

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE.
THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06,
BG09, BG12 MINI-CONTACTORS, 0.14...0.23A

| | | | |
|--|------|---|------|
| | 24V | A | 1.5 |
| | 120V | A | 1.5 |
| | 240V | A | 0.75 |
| IEC Conventional free air thermal current I _{th} ≤ 40°C | | A | 10 |

Terminals

| | | | |
|-------------------------|----|--|------------------|
| Auxiliary circuit type | | | screw and washer |
| Auxiliary circuit screw | | | M3,5 |
| Auxiliary circuit width | mm | | 8 |
| Auxiliary circuit tool | | | Phillips 1 |

Conductor section

| | | |
|--|-----------------|-----|
| Auxiliary circuit Flexible w/o lug max | mm ² | 2.5 |
| Auxiliary circuit Flexible c/w lug max | mm ² | 2.5 |

Tightening torque for terminals

| | | |
|-----------------------|------|------|
| Auxiliary circuit min | Nm | 1 |
| Auxiliary circuit max | Nm | 1 |
| Auxiliary circuit min | lbin | 0.74 |
| Auxiliary circuit max | lbin | 0.74 |

UL/CSA and IEC/EN 60947-5-1 designation

C300-R300

Ambient conditions

Operating temperature

| | | |
|-----|----|-----|
| min | °C | -20 |
| max | °C | 55 |

Storage temperature

| | | |
|-----|----|-----|
| min | °C | -55 |
| max | °C | 70 |

Compensation temperature

| | | |
|-----|----|-----|
| min | °C | -15 |
| max | °C | 55 |

Max altitude

m 3000

Mechanical features

Operating position

normal allowable Vertical plan ±30°

Fixing

Direct mounting on BG06... BG09... BG12...

Weight

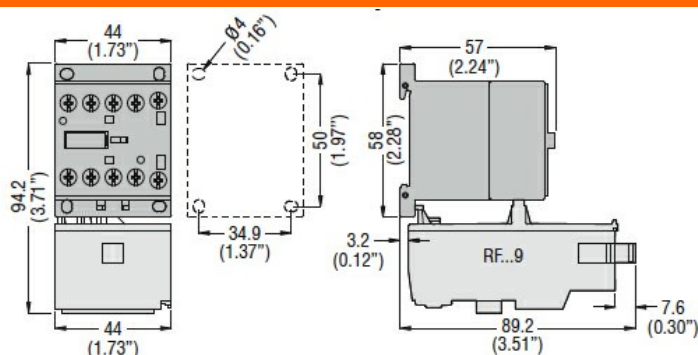
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UL technical data

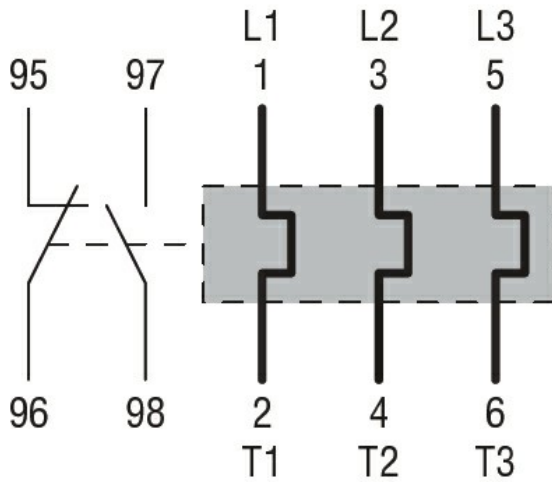
Full-load current (FLA) for three-phase AC motor

| | | |
|---------|---|------|
| at 480V | A | 0.23 |
| at 600V | A | 0.23 |

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN 60947-1

IEC/EN 60947-4-1

UL508

Certifications

CCC

CSA

cULus

EAC

ETIM classification

ETIM 8.0

EC000106 -
Thermal overload
relay