



General characteristics

| | | |
|-------------------------|----------|-----------|
| Number of poles | Nr. | 3 |
| Overvoltage category | | III |
| Pollution degree | | 3 |
| Frontal IP degree | | IP20 |
| Type of release | | Thermal |
| Protection fuse | | |
| | gG (IEC) | A 40 |
| | aM (IEC) | A 16 |
| | RK5 (UL) | A 45 |
| 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 9 |
| | Operational current max | A 15 |

| | | |
|----------------|--|-----|
| 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 | Ibin 1.7 |
| | max | Ibin 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

| | | |
|------|---|------|
| 24V | A | 1.5 |
| 120V | A | 1.5 |
| 240V | A | 0.75 |

IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$

| | |
|---|----|
| 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 | Ibin | 0.74 |
| Auxiliary circuit max | Ibin | 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° |
| | Direct mounting on BG06... BG09... BG12... |

Fixing

Weight

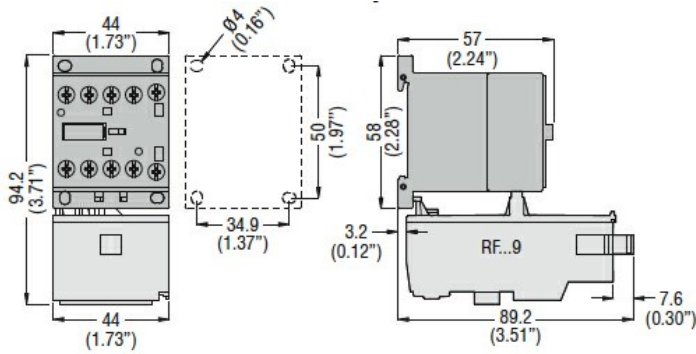
| | |
|---|-----|
| g | 116 |
|---|-----|

UL technical data

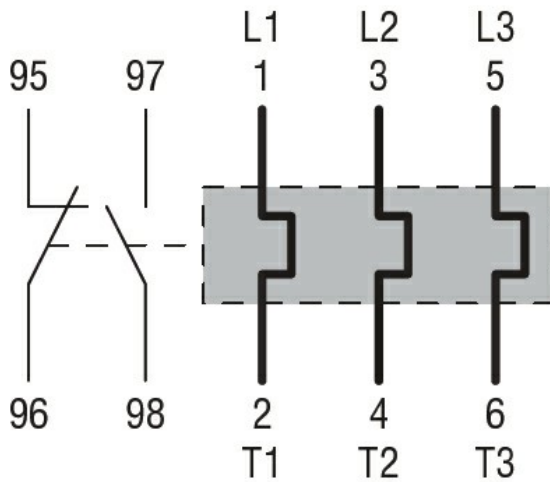
Full-load current (FLA) for three-phase AC motor

| | | |
|---------|---|----|
| at 480V | A | 15 |
| at 600V | A | 15 |

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