# 11RFN91V5

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.9...1.5A

| | | | |
|---|---|---|---|
| **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 | 4 |
| | aM (IEC) | A | 2 |
| | RK5 (UL) | A | 6 |
| Phase failure detection | | | yes |
| Reset mode | | | Manual |
| **Power circuit characteristics** | | | |
| Rated insulation voltage Ui IEC/EN | | V | 690 |
| Rated impulse withstand voltage Uimp | | kV | 8 |
| Rated operational voltage | | V | 690 |
| Operational frequency | | | |
| | min | Hz | 0 |
| | max | Hz | 400 |
| Operational current Ie | | | |
| | Operational current min | A | 0.9 |
| | Operational current max | A | 1.5 |
| 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 Ui IEC/EN | | V | 690 |
| Auxiliary Rated impulse withstand voltage Uimp | | kV | 6 |
| Auxiliary Rated operational voltage | | V | 690 |


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| | | | |
|---|---|---|---|
| Operating current AC15 | | | |
| | 24V | A | 3 |
| | 120V | A | 3 |
| | 240V | A | 1.5 |
| | 380V | A | 0.95 |
| | 480V | A | 0.75 |
| | 500V | A | 0.72 |
| | 600V | A | 0.6 |
| Operating current DC13 | | | |
| | 125V | A | 0.11 |
| | 600V | A | 0.22 |
| IEC Conventional free air thermal current Ith ≤ 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 | mm² | 2.5 |
| | Auxiliary circut Flexible c/w lug max | mm² | 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 | | | B600-P600 |
| **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 | | Vertical plan |
| | allowable | | ±30° |
| Fixing | | | Direct mounting on BG06... BG09... BG12… |
| Weight | | g | 123 |
| **UL technical data** | | | |
| Full-load current (FLA) for three-phase AC motor | | | |
| | at 480V | A | 1.5 |
| | at 600V | A | 1.5 |
| **Dimensions** | | | |


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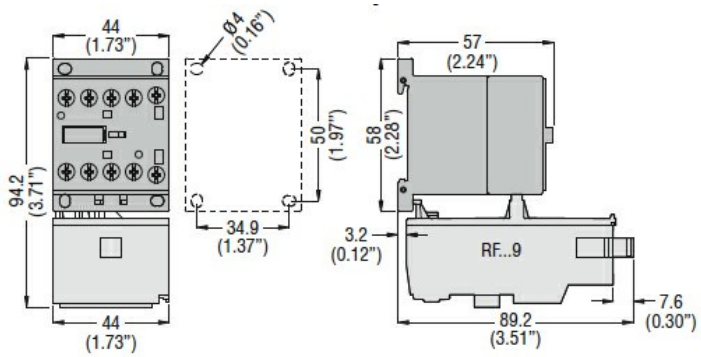
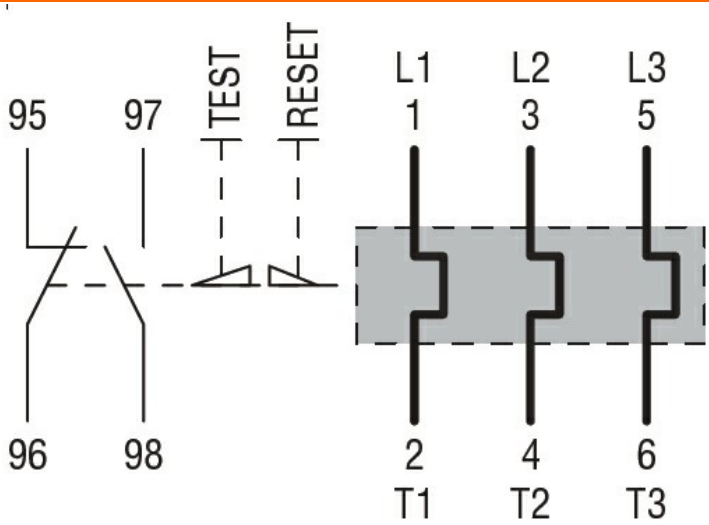



## Wiring diagrams




## 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 |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