11RF9015



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A



| Product designation | | | 11RF9 |
|--|-------------------------|------|---------------------------|
| Product type designation | | | Motor protection relay |
| General characteristics | | | |
| Number of poles | | Nr. | 3 |
| Overvoltage category | | | |
| Pollution degree | | | 3 |
| Frontal IP degree | | | IP20 |
| Type of release | | | Thermal |
| Protection fuse | aM (IEC) | А | 0.25 |
| Phase failure detection | | | yes |
| Reset mode | | | Manual |
| Power circuit characteristics | | | Manaa |
| 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 le | | | |
| • | Operational current min | А | 0.09 |
| | Operational current max | А | 0.15 |
| 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 | 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 |

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A

| Auxiliary Rated operational voltage | | V | 690 |
|--|--|-------|-----------------------|
| Operating current AC15 | | v | 000 |
| | 24V | А | 3 |
| | 120V | A | 3 |
| | 240V | А | 1.5 |
| | 380V | A | 0.95 |
| | 480V | А | 0.75 |
| | 500V | А | 0.72 |
| | 600V | А | 0.6 |
| Operating current DC13 | | | |
| | 125V | А | 0.11 |
| | 600V | A | 0.22 |
| IEC Conventional free air thermal current Ith | | A | 10 |
| Terminals | | 7. | 10 |
| | | | screw and |
| | Auxiliary circuit type | | 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 | Ibin | 0.74 |
| | Auxiliary circuit max | Ibin | 0.74 |
| UL/CSA and IEC/EN 60947-5-1 designation | | 10111 | B600-P600 |
| Ambient conditions | | | 2000 1 000 |
| Operating temperature | | | |
| operating temperature | min | °C | -20 |
| | max | °C | 55 |
| Storage temperature | Пах | 0 | |
| otorage temperature | min | °C | -55 |
| | | °C | 70 |
| Compensation temperature | max | 0 | 10 |
| | min | °C | -15 |
| | max | °C | -15 55 |
| Max altitude | illax | | 3000 |
| Mechanical features | | 111 | 3000 |
| Operating position | | | |
| | normal | | Vortical plan |
| | allowable | | Vertical plan ±30° |
| | anowable | | Direct mounting |
| Fixing | | | on BG06 |
| | | | BG09 BG12 |
| Weight | | g | 116 |
| UL technical data | | Э | |
| Full-load current (FLA) for three-phase AC motor | | | |
| | at 480V | А | 0.15 |
| | al +00 V | Л | 0.10 |
| | at 600V | А | 0.15 |

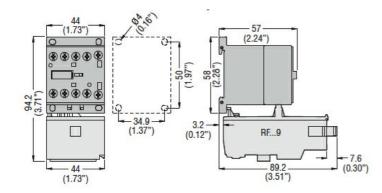
11RF9015

11RF9015

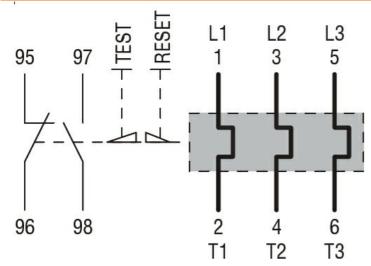
11RF9015



MOTOR PROTECTION RELAY, PHASE FAILURE/SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), MANUAL RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.09...0.15A



Wiring diagrams



Certifications and compliance

Compliance

| Compliance | |
|---------------------|------------------|
| | CSA C22.2 n° 14 |
| | IEC/EN 60947-1 |
| | IEC/EN 60947-4-1 |
| | UL508 |
| Certifications | |
| | CCC |
| | CSA |
| | cULus |
| | EAC |
| ETIM classification | n |

ETIM 8.0

EC000106 -Thermal overload relay