

Catalogue No: **PPB-02-C-M48**

MON RLY 3PH O/U VOLT + PS/PL/ASYM 380-480VAC SUPPLY 1 C/O

Timers and Control Relays > Monitoring Relays > Voltage, Current, Phase and Power Factor Monitoring Relays > Carlo Gavazzi Voltage / Current / Phase and Power Monitoring > Phase Sequence, Loss and Asymmetry Monitoring Relays > Three-Phase



Representative Photo Only
(actual product may vary based on configuration selections)

Phase monitoring relays, 3-phase, sequence, phase loss and asymmetry, 323 - 475V AC

- Comprehensive range of relays for monitoring of phase loss, incorrect phase sequence, phase unbalance, over / under current, over / under load, over / under frequency, and over / under voltage for various application requirements
- Range available in a variety of package sizes and mounting (DIN or Plug-in) to suit various preferences
- International certifications including ISO 9001 with wide install base ensuring delivery of a quality tested product

SPECIFICATIONS

| | |
|--|---|
| Product Series | PPB |
| Component Type Timers and Control relays | Monitoring Relay |
| Signal Type(s) | AC: 3-Phase |
| Measurement Range(s) | 323 ... 475V AC |
| Umin, Supply Voltage, AC, Min | 380 V AC |
| Umax, Supply Voltage, AC, Max | 415 V AC |
| Ie, Rated Operational Current, AC-1, 250V | 8 A@250V |
| Ie, Rated Operational Current, AC-15, 250V | 2.5 A@250V |
| Ie, Rated Operational Current, DC-12, 24V | 5 A@24V |
| Ie, Rated Operational Current, DC-13, 24V | 2.5 A@24V |
| Ui, Rated Insulation Voltage | 250 V (rms) |
| Rated Frequency | 50 / 60 Hz |
| Overvoltage Category | III |
| Configuration Method | DIP-Switch |
| Contact Configuration | 1 CO |
| Details, Output(s) | 8A SPDT relay |
| Supply Power, Rated, AC 50Hz | 13 VA |
| Terminal Type | Screw Terminal(s) |
| Mounting | Plug-in |
| Material, Body / Housing | Noryl material |
| Material, Contacts | Silver Tin Oxide (AgSnO ₂) material |
| IP Rating | IP20 |
| Indicator Type | LED |
| Details, Indicator | Power supply ON LED, green. Alarm ON LED, red (flashing 2 Hz during delay time). Output relay ON LED, yellow. |
| Electrical Service Life at Un, In | 100000 cycles |
| Mechanical Service Life | 30000000 cycles |

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| | |
|----------------------------|--|
| Tightening Torque, Max | 0.5 Nm |
| Dielectric Strength | 2 kVAC (rms) V AC |
| Pollution Degree | 2 |
| Storage Temperature, Min | -30 °C min |
| Storage Temperature, Max | 80 °C max |
| Operating Temperature, Min | -20 °C min |
| Operating Temperature, Max | 60 °C max |
| Height | 80 mm |
| Width | 36 mm |
| Depth | 94 mm |
| Weight | 0.12 kg |
| Standards Compliance | EN 60947-5-1 EN 61000-6-2 EN 61000-6-3 IEC 60664 IEC 60947 |
| Certifications | CE UL CSA |

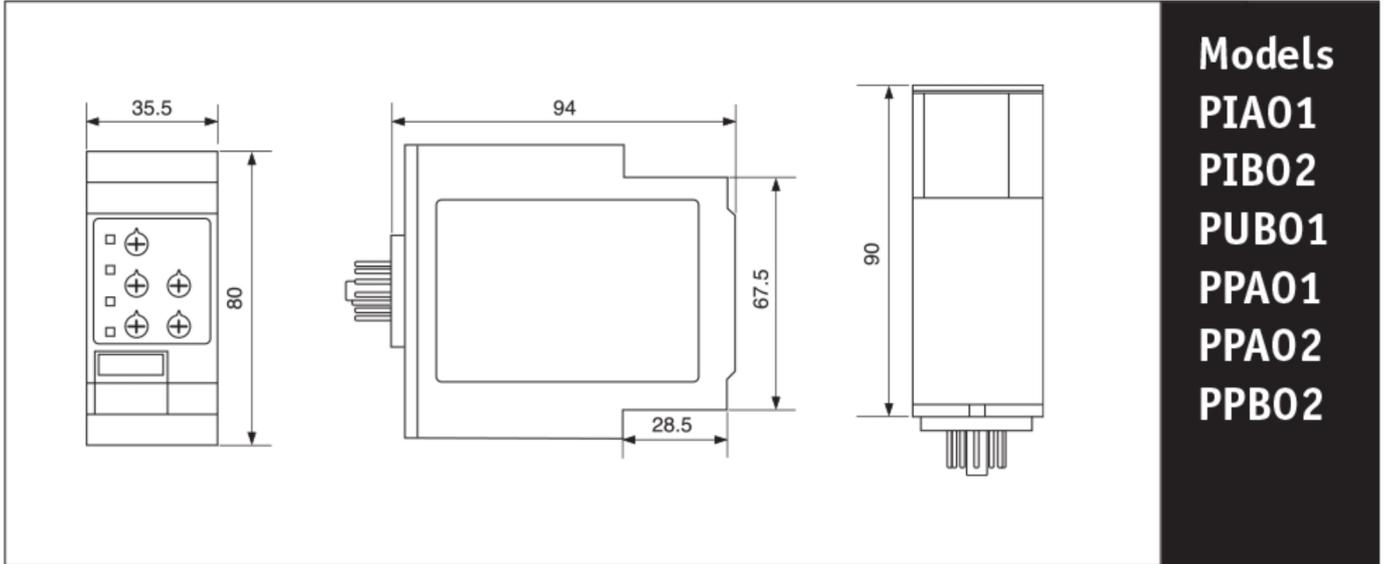
REFERENCES

| | |
|---|---|
| IECEx Certificate | - |
| Supplier Declaration of Conformity: | - |
| Installation Guide: | PPB02CM48_Installation Instructions |
| User Manual: | - |
| Manufacturer Datasheet: | PPB02CM48_Manufacturer Datasheet |
| Manufacturer Catalogue & Product Selection: | - |

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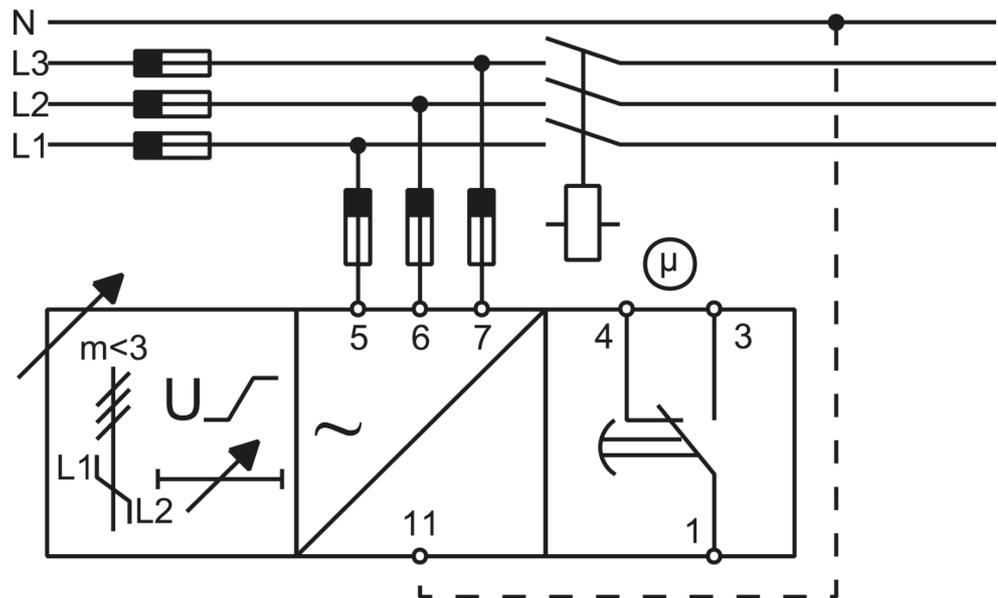
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Models
PIA01
PIB02
PUB01
PPA01
PPA02
PPB02

Dimension Diagram

PPB02

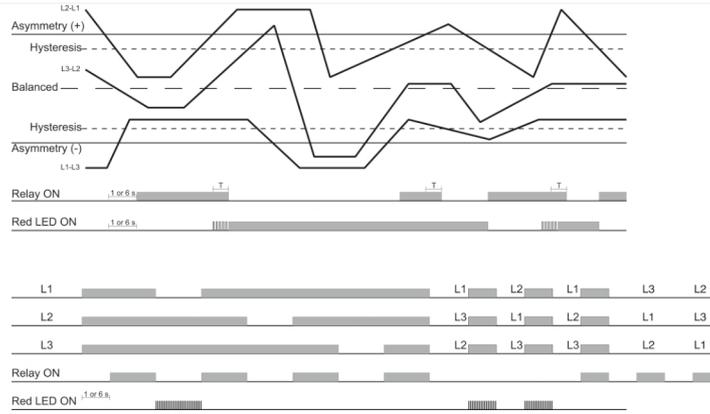


Connection / Wiring Diagram

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Technical Diagram