

Terminal Protection to IP20



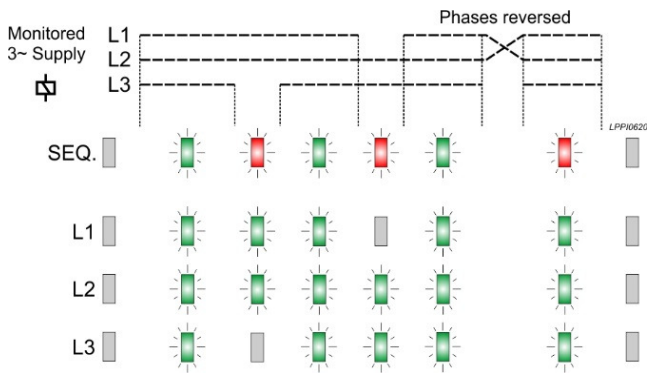
Dims: to DIN 43880
W. 17.5mm

- Ideal for control panels, switchboards, distribution systems that require visual indication and status of a 3-phase power supply
- Used to indicate that all phases are present and phase sequence is correct (or incorrect)
- Designed for use on 3-phase, 3-wire supplies
- Individual Green LED to indicate the presence (or absence) of each phase
- Bi-colour Red/Green LED indication for phase sequence status
- Compact, 17.5mm DIN Rail housing



ISO 9001:2015
Cert. No. 14125771

FUNCTION DIAGRAM



TECHNICAL SPECIFICATION

| | |
|-----------------------------------|--|
| Supply/monitoring voltage | 320 – 490V AC |
| U (L1, L2, L3): | 48 – 63Hz |
| Frequency range: | III (IEC 60664) |
| Overvoltage category: | 4kV (1.2/50µs) IEC 60664 |
| Rated impulse withstand voltage: | < 4VA |
| Power consumption (max.): | Phase reversal and phase loss |
| Monitoring mode: | Green LED x3 |
| Phase present indication: | Bi-colour LED x1 |
| Phase sequence status indication: | Green = Sequence correct Red = Sequence incorrect |
| Ambient temp: | -20 to +60°C |
| Relative humidity: | +95% max. |
| Housing: | Orange flame retardant UL94 |
| Weight: | 48g |
| Mounting option: | On to 35mm symmetric DIN rail to BS EN 60715 or direct surface mounting via 2 x M3.5 or 4BA screws using the black clips provided on the rear of the unit. |
| Terminal conductor size | 2 x ≤ 2.5mm ² solid or stranded |
| Approvals: | Conforms to IEC. CE, RoHS Compliant. EMC: Immunity: EN 61000-6-2 Emissions: EN 61000-6-4 |

Numbers/characters shown above in bold/within brackets refer to terminal printing on the housing.

INSTALLATION AND SETTING



Installation work must be carried out by qualified personnel.

- BEFORE INSTALLATION, ISOLATE THE SUPPLY.
- Connect the unit as required. The Connection Diagram below shows a typical installation, whereby the supply is being monitored by the Phase Indicator. If a fault should occur (i.e. fuse blowing), the LED's on the unit will indicate accordingly.

Applying power.

- Assuming all phases present and phase sequence correct the "SEQ." LED will illuminate in green and "L1, L2 and L3" LED's also illuminate (in green).

Fault examples - Phase reversal

- If two phases become reversed or power is applied with two phases already reversed, the "SEQ." LED will illuminate in red to denote a fault.

Fault examples - Phase Loss

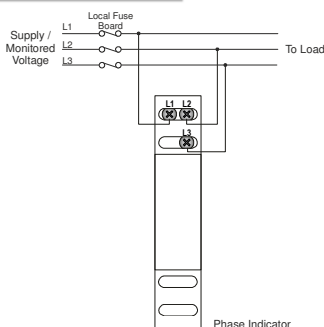
- If during operation a phase is lost, the corresponding green LED for that phase will extinguish. Provided the other two phases are still connected, the LED's for those phases will continue to illuminate.
- The "SEQ." LED will change colour from green to red to denote a fault. This applies regardless of which phase is lost.

Troubleshooting.

The table below shows the status of the unit during a fault condition.

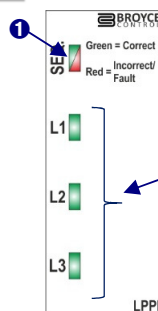
| Supply fault | SEQ. LED | L1 LED | L2 LED | L3 LED |
|------------------------------|----------|--------|--------|--------|
| L1 Phase missing | Red | Off | On | On |
| L2 Phase missing | Red | On | Off | On |
| L3 Phase missing | Red | On | On | Off |
| Phases reversed | Red | On | On | On |
| Any 2 or more phases missing | Off | Off | Off | Off |

CONNECTION DIAGRAM



LED INDICATION

1. Phase Sequence status (Bi-colour Red/Green) LED
2. Phase presence status (Green) LED's



DIMENSIONS

