BROYCE CONTROL

Passionate about protection and control

OVERCURRENT & EARTH FAULT RELAYS

PROGRAMMABLE

MODBUS OPTION

IDMT, IDT, DT TRIPPING CHARACTERISTICS

OVERCURRENT DETECTION

EARTH FAULT DETECTION

VOLTAGE, FREQUENCY POWER, POWER FACTOR, HOURS RUN

OVERCURRENT & EARTH FAULT

P9690

NEW

Combined Overcurrent/Earth Fault with Voltage Monitoring

Key Features:

- True R.M.S. measurements
- Rear pluggable connectors provide quick and convenient method of installation
- Low-set and High-set trip thresholds for both Overcurrent and Earth Fault detection
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time) in accordance with IEC 60255-151
- Last trip memory (up to 10 events)
- Three phase Overcurrent and Earth Fault detection
- Measurement and live display of individual phase and earth fault currents
- Pre-defined selectable CT ratio's (5:5….6000:5)
- Display of measured phase to neutral or phase to phase voltages
- Display of measured frequency, power, power factor and hours run
- Microprocessor based (self checking) with non-volatile memory
- Supply voltage options: 18 - 55V AC/18 - 72V DC or 85 - 265V AC/85 - 370V DC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

MODBUS AVAILABLE

P9680

NEW

Combined Overcurrent and Earth Fault

Key Features:

- True R.M.S. measurements
- Rear pluggable connectors provide quick and convenient method of installation
- Low-set and High-set trip thresholds for both Overcurrent and Earth Fault detection
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time) in accordance with IEC 60255-151
- Last trip memory (up to 10 events)
- Three phase Overcurrent and Earth Fault detection
- Measurement and live display of individual phase and earth fault currents
- Pre-defined selectable CT ratio's (5:5….6000:5)
- "Ecosmart" Energy efficient power supply design
- Supply voltage options: 18 - 55V AC/18 - 72V DC or 85 - 265V AC/85 - 370V DC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

MODBUS AVAILABLE

P9670

Overcurrent Relay

Key Features:

- True R.M.S. measurements
- Rear pluggable connectors provide quick and convenient method of installation
- Low-set and High-set trip thresholds
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time) in accordance with IEC 60255-151
- Last trip memory (up to 10 events)
- Three phase Overcurrent detection
- Measurement and live display of individual phase currents
- Pre-defined selectable CT ratio's (5:5….6000:5)
- Microprocessor based (self checking) with non-volatile memory
- "Ecosmart" Energy efficient power supply design
- Supply voltage options: 18 - 55V AC/18 - 72V DC or 85 - 265V AC/85 - 370V DC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

P9620

Definite Time (DT) Earth Fault Relay

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

Key Features:

- True R.M.S. measurements
- Adjustable Low-set tripping threshold
- Adjustable High-set tripping threshold with option to disable
- Adjustable Definite Time setting (applicable to Low-set triggering only)
- Instantaneous tripping on High-set triggering
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of Low-set or High-set triggering and tripping
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- Terminals suitable for 2 x 2.5mm^2 wires (complete with protective cover)
- Supply voltage options: 115V AC or 230V AC

P9640

Inverse Definite Minimum Time (IDMT) Earth Fault Relay

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

Key Features:

- True R.M.S. measurements
- Adjustable Low-set and High-set trip thresholds (option to disable High-set trip)
- Adjustable Time Multiplier for defining curve tripping characteristic (applicable to Low-set triggering only)
- Normal Inverse 3/10 tripping characteristics (Low-set threshold only) *(1.3/10 curve also available)*
- Instantaneous tripping on High-set triggering
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of Low-set or High-set triggering and tripping
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- Terminals suitable for 2 x 2.5mm^2 wires (complete with protective cover)
- Supply voltage options: 115V AC or 230V AC

P9660

Earth Fault Relay

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

Key Features:

- True R.M.S. measurements
- Rear pluggable connectors provide quick and convenient method of installation
- Low-set and High-set tripping thresholds
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time) in accordance with IEC 60255-151
- Last trip memory (up to 10 events)
- Earth Fault detection
- Measurement and live display of earth fault current
- Pre-defined selectable CT ratio's (5:5….6000:5)
- Microprocessor based (self checking) with non-volatile memory
- "Ecosmart" Energy efficient power supply design
- Supply voltage options: 18 - 55V AC/18 - 72V DC or 85 - 265V AC/85 - 370V DC

P9625

Definite Time (DT) Overcurrent Relay

Key Features:

- True R.M.S. measurements
- Individual Trip Level adjustment for each phase
- Adjustable Delay setting
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of which phase has been triggered
- Red LED indication of actual tripped condition
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- Terminals suitable for 2 x 2.5mm^2 wires (complete with protective cover)
- Supply voltage option: 115V AC or 230V AC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

P9630

Inverse Definite Time (IDT) Overcurrent Relay

Key Features:

- True R.M.S. measurements
- Adjustable Low-set tripping threshold
- Adjustable High-set tripping threshold with option to disable
- Adjustable Time Multiplier for defining curve tripping characteristic (Low-set only)
- Instantaneous tripping on High-set triggering
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of Low-set or High-set triggering and tripping
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- Terminals suitable for 2 x 2.5mm^2 wires (complete with protective cover)
- Supply voltage option: 115V AC or 230V AC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

P9650

Inverse Definite Minimum Time (IDMT) Overcurrent Relay

Key Features:

- True R.M.S. measurements
- Adjustable Low-set and High-set trip thresholds (High-set trip disable option)
- Adjustable Time Multiplier for defining curve tripping characteristic (Low-set only)
- Normal Inverse 3/10 tripping characteristics (Low-set threshold only)
- Instantaneous tripping on High-set triggering
- Test and Reset buttons for simulating and clearing of fault condition
- Red LED indication of Low-set or High-set triggering and tripping
- Green LED indication for Auxiliary power supply presence
- Microprocessor based (self checking) with non-volatile memory
- Terminals suitable for 2 x 2.5mm^2 wires (complete with protective cover)
- Supply voltage option: 115V AC or 230V AC

Dims:
W x H. 96 x 96mm (front)
W x H. 89.5 x 89.5mm (main body)
L. 107mm

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