

NEW

BROYCE
CONTROL

Passionate about protection and control



Earth Fault, Overcurrent, DT, IDT & IDMT Relays

P9690

Combined Overcurrent/Earth Fault with Voltage Monitoring

- True R.M.S. measurements
- Low-set and High-set tripping thresholds for both Overcurrent and Earth Fault detection
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time)
- 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
- "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

P9680

Combined Overcurrent and Earth Fault

- True R.M.S. measurements
- Low-set and High-set tripping thresholds for both Overcurrent and Earth Fault detection
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time)
- 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)
- Microprocessor based (self checking) with non-volatile memory
- "Ecosmart" Energy efficient power supply design
- Rear mounted pluggable connectors for supply, relay contacts and current inputs
- 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

P9670

Overcurrent Relay

- True R.M.S. measurements
- Low-set and High-set tripping thresholds
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time)
- 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
- Rear mounted pluggable connectors for supply, relay contacts and current inputs
- 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

- 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 2.5mm² wires (complete with protective cover)
- Supply voltage options: 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

P9640

Inverse Definite Minimum Time (IDMT) Earth Fault Relay

- True R.M.S. measurements
- Adjustable Low-set and High-set tripping thresholds (with option to disable High-set tripping)
- 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 2.5mm² wires (complete with protective cover)
- Supply voltage options: 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

P9660

Earth Fault Relay

- True R.M.S. measurements
- Low-set and High-set tripping thresholds
- 6 selectable IDMT (Inverse Definite Minimum Time) characteristic curves or adjustable DT (Definite Time)
- 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
- Rear mounted pluggable connectors for supply, relay contacts and current inputs
- 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

P9625

Definite Time (DT) Overcurrent Relay

- 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 2.5mm² 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

- 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 (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 2.5mm² 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

- True R.M.S. measurements
- Adjustable Low-set and High-set tripping thresholds (with option to disable High-set tripping)
- Adjustable Time Multiplier for defining curve tripping characteristic (applicable to Low-set triggering 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 2.5mm² 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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