Eaton D64RP410
Ground fault relay

Reliable, cost-effective residual current monitoring

Providing advanced notification of potential and developing earth faults, Eaton's D64RP410 ground fault relay enables continuous and remote condition monitoring of systems when paired with an appropriate current transformer (CT). In addition to detecting residual and fault currents, the AC and pulsed DC relay monitors earthed power supplies for deterioration of insulation levels and stray currents, as well as the central earthing point (CEP) and single conductors de-energized under normal conditions.

Applications

With a response range from 10 mA to 30 A, the highly accurate D64RP410 is ideal for:

- Two-, three- or four-wire systems
- Earthed systems in which an alarm should be issued in the event of a fault, but no shutdown may take place
- Monitoring of single conductors such as PE conductors, N-PE bridges or PE-PAS bridges

A cost-effective solution to reduce risk and operating costs in a variety of applications—including manufacturing facilities, electrical plants, data centers, hospitals and other critical infrastructure environments—the D64RP410 features a compact design to maximize space in tight environments.

KEY BENEFITS

- AC and pulsed DC sensitive residual current monitor connects to existing communications networks, enabling remote condition monitoring
- Two separately adjustable response values provide distinction between prewarning and main alarm
- Cost-effectively reduces risk and operating expenses for maximum value
- Compact design preserves valuable space
- Communication facilitated via RS-485 with Modbus® RTU, with easy configuration via a smartphone
- Up to 247 monitors and response range of 10 mA to 30 A provide highly accurate fault diagnosis
- LED strip measured value display, adjustable response delay and one alarm relay (changeover contact)
- NC or NO operation and fault memory behavior selectable
- Facilitates continuous measuring of CT connection monitoring
- NFC interface enables configuration of the unit in both energized and de-energized states

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