Simple and effective monitoring

Eaton products provide the variability and ease-of-use to satisfy various customer needs. The D65 series of monitoring relays enables your facility to detect problems before they have the chance to damage your equipment.

Common features
- Snap-on mounting to DIN rail or direct mounting using an industry standard 8- or 11-pin socket
- Fixed and adjustable measuring features
- Automatic reset
- Relay status indication LEDs

Typical applications
- HVAC
- Pump control
- Wastewater treatment
- Motor control and protection
- Material handling systems
- Irrigation
- Food and beverage processing
- Generator control

Functions
- Overcurrent/undercurrent monitoring
- Overvoltage/undervoltage monitoring
- Phase monitoring including:
  - Phase loss
  - Phase reversal (phase sequence)
  - Phase imbalance

Standards and certifications

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Note: Plug-in relays only UL Listed if used with the appropriate socket.
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<tr>
<th>Monitoring Relays</th>
<th>Three-Phase Monitoring Relays</th>
<th>Voltage Monitoring Relays</th>
<th>Multiple Function Monitoring Relays</th>
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</table>
| Current Monitoring Relays (D65 CE / CH / CL) | • Monitoring functions:  
  - Undercurrent only  
  - Overcurrent only  
  - Overcurrent and undercurrent  
  - Monitors current in the following ranges: 0.1–1 A, 0.5–5 A, 1–10 A (extended ranges available via external CTs)  
  - Fixed or adjustable dropout and pickup settings  
  - Adjustable time delay available | • Monitoring functions:  
  - Phase reversal only  
  - Phase loss and reversal  
  - Relay will trip upon phase loss, preventing motor burnouts  
  - Phase reversal monitoring relays will trip if phase sequence is not A-B-C | • Monitoring functions:  
  - Phase loss, phase reversal and undervoltage  
  - Phase loss, phase reversal, phase imbalance and undervoltage/overvoltage  
  - Phase imbalance relays trip when one or two phases carry more or less of the intended load  
  - Adjustable phase imbalance percentage from 2 to 10% |
| Three-Phase Monitoring Relays (D65 VMC / PLR) | | • Monitoring functions:  
  - Overvoltage only  
  - Undervoltage only  
  - Upper and lower limit (band)  
  - Optional fixed or adjustable time delay settings (fixed delay time of 500 ms)  
  - Adjustable pickup voltage setting from 75 to 125% of the nominal voltage rating  
  - Adjustable dropout setting from 75 to 95% of the pickup voltage | |