

Eaton control and monitoring solutions

D65 monitoring relays



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.

Functions

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

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

Standards and certifications

D65	cRUus [®] listed	UL [®] listed	cULus [®] listed	RoHS recognized	CE marked
CE	■	■	—	■	■
CH	■	■	—	■	■
CL	■	■	—	■	■
PAR	■	■	—	■	■
PLR	■	■	—	■	■
VMC	■	■	■	■	■
VMLP	■	—	■	■	■
VMLS	—	—	■	■	■

Note: Plug-in relays only UL Listed if used with the appropriate socket.



Powering Business Worldwide





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



Three-phase monitoring relays (D65 VMC / PLR)

- 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



Voltage monitoring relays (D65 VMRP / VA / VW)

- 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



Multiple function monitoring relays (D65 VMLP / VMLS / PAR)

- 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%

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