

New additions to ABB's phase monitors

ABB now offers a complete range of three-phase monitors

Only reliable, continuous monitoring of the three-phase supply can ensure trouble-free and efficient operation of motors, machines and equipment. ABB now offers a comprehensive range of 22.5 mm, within the CM series, to protect sensitive equipment from adverse three-phase voltages. The product range extends from the full protection multifunction three-phase monitor, CM-MPS, to single-function devices for monitoring single parameters.

The CM-MPS is a multifunction monitoring relay. It monitors all phase parameters including: phase sequence, phase failure, over- and undervoltage and phase unbalance. It is available with or without monitoring of the neutral conductor. Seven devices with a graded scope of functions complete the CM product range. The new devices for three-phase voltage monitoring, CM-PVS and CM-PSS along with the CM-PAS for monitoring phase unbalance, offer functions adapted to the relevant requirements and facilitate the accurate monitoring of three-phase mains.

The characteristics of the three-phase monitors are:

- Phase failure monitoring
- Phase sequence detection*
- Over- and undervoltage monitoring (fixed or adjustable)*
- Adjustable phase unbalance threshold*
- Adjustable delay time, and selectable ON-delay or OFF-delay function*
- Dual-frequency, 50/60 Hz operation
- Powered by the measuring circuit
- 1 n/o, 1 or 2 c/o contacts
- LED for status indication
- Wide operating voltage range

*Depends on device type

