

# MP15PW

## PART-WINDING THREE-PHASE CONTROL/PROTECTION RELAY

- *Providing comprehensive start control and three-phase imbalance protection for part-winding motors – all in a single smart relay ◀*



- Replaces three separate components (one run timer and two MP15P relays)
- Adjustable 'start' (1–60 seconds) and 'run' delay (0.2–1.0 seconds)
- 'Start' and 'run' outputs fully interlocked
- Monitors both 'start' and 'run' windings
- Total protection against phase imbalance, under- and over-voltage



• CONTROL • MONITOR • PROTECT

Designed and manufactured in Australia



N757

# MP15PW: ONE PACKAGE

## TOTAL PART-WINDING THREE-PHASE MOTOR PROTECTION

MP15PW provides the protection and control demanded for part-winding three-phase motors, all in a single DIN rail mounted package. With 'start' and 'run' outputs fully interlocked, plus a 'run' delay range of 0.2–1.0 seconds, wiring burnouts due to mis-wiring or incorrectly set timers are now a thing of the past.

For further protection MP15PW **ONLY** starts the 'run' timer after the correct voltages are present at the 'start' windings. And once running, MP15PW monitors all six motor windings for correct voltage balance. The control supply voltage is also monitored for under- and over-voltage.

MP15PW incorporates all the advanced electronics, features and benefits of Phasefale's renowned MP15P motor protection relay. It provides 100% motor protection but will not trip as a result of spurious voltages or phase distortion like many alternative motor protection devices.

### ► DIN rail mounted, pluggable terminals, replaceable fuse

MP15PW is compact, easy to install and easy to change over.

### ► The load-side protection advantage

MP15PW monitors motor supply for start and run windings at the **output** to the motor terminals, not on the incoming supply like other rudimentary phase-protection devices. This gives the added protection of monitoring the entire power supply chain between incoming supply and the motor cable itself. A faulty contactor, loose or disconnected wire, or a faulty thermal overload element can all lead to load-side faults. Phasefale's unique load-side monitoring simply gives greater protection.

### ► Fault memory and off-time inputs

MP15PW includes start and run fault memory inputs with amber LED indication for diagnosis of overload events. A separate off-time input initiates a 15-minute 'motor-off' cycle of the motor.

### ► Why Phasefale?

Phasefale has been a pioneer and leader in the Australian three-phase motor protection industry since 1970. Our MP15P range is designed and manufactured in Australia. Call us now to discuss your motor protection needs.

