

# Multifunctional three-phase monitoring relays CM-MPN CM-MPN.52, CM-MPN.62 and CM-MPN.72

The three-phase monitoring relays CM-MPN.x2 monitor the phase parameters phase sequence, phase failure, over- and undervoltage as well as phase unbalance.

All devices are available with two different terminal versions. You can choose between the proven screw connection technology (double-chamber cage connection terminals) and the completely tool-free Easy Connect Technology (push-in terminals).



2CDC251062 V0011

## Characteristics

- Monitoring of three-phase mains for phase sequence (can be switched off), phase failure, over- and undervoltage as well as phase unbalance
- TRMS measuring principle
- Automatic phase sequence correction configurable
- Threshold values for over- and undervoltage as well as phase unbalance are adjustable as absolute values
- Tripping delay  $T_v$  can be adjusted or switched off by means of a logarithmic scale (0 s; 0,1-30 s)
- ON-delayed or OFF-delayed tripping delay selectable
- Powered by the measuring circuit
- Precise adjustment by front-face operating controls
- Screw connection technology or Easy Connect Technology available
- Housing material for highest fire protection classification UL 94 V-0
- Tool-free mounting on DIN rail as well as demounting
- 1 x 2 or 2 x 1 c/o (SPDT) contacts configurable
- 45 mm (1.78 in) width
- 3 LEDs for the indication of operational states

## Order data

### Three-phase monitoring relays

Type	Rated control supply voltage = measuring voltage	Connection technology	Order code
CM-MPN.52P	3 x 350-580 V AC	Push-in terminals	1SVR760487R8300
CM-MPN.52S		Screw terminals	1SVR750487R8300
CM-MPN.62P	3 x 450-720 V AC	Push-in terminals	1SVR760488R8300
CM-MPN.62S		Screw terminals	1SVR750488R8300
CM-MPN.72P	3 x 530-820 V AC	Push-in terminals	1SVR760489R8300
CM-MPN.72S		Screw terminals	1SVR750489R8300

### Accessories

Type	Description	Order code
ADP.02	Adapter für Schraubbefestigung	1SVR440029R0100
MAR.12	Beschriftungsschild für Geräte mit DIP-Schalter	1SVR730006R0000
COV.12	Plombierbare Klarsichtabdeckung	1SVR750005R0100