Vantor VP-60F

Split Type Motor Protection Controller, DIN Rail + Display

The Vantor VP-60F is the split (two-part) version of the VP-60 motor protection controller: a compact DIN-rail measuring and control unit that fits inside 1/2-module drawer cabinets, plus the optional VP-60FD door-mounted display module. It protects motors from 5 A to 500 A against earth leakage, phase loss, phase sequence, unbalance, locked rotor, overload, under-load and over-temperature, with 8 DI, 4 relay DO, RS485 Modbus RTU and optional Profibus-DP for integration into an MCC or PLC system.



Key Features

- Split design: DIN-rail body for drawer-type MCC cabinets + separate VP-60FD display
- Motor ranges 0 - 5 A, 5 - 32 A, 25 - 100 A, 100 - 250 A and 250 - 500 A
- Earth leakage, phase loss, phase sequence, unbalance, stall, overload, under-load and temperature protection
- 8 DI (internal 24 V DC) and 4 relay DO 250 V AC / 5 A
- RS485 Modbus RTU 1200 - 38400 bps; Profibus-DP 9.6 kbps - 12 Mbps optional
- Optional leakage CT (LD45 / LD100 / LD200), temperature protection, 4-20 mA output and low-voltage restart
- Wide auxiliary supply 85 - 305 V AC / 70 - 430 V DC

Technical Specifications

- Model: VP-60F series (select motor current range or display module below)
- Motor current ranges: 5 / 32 / 100 / 250 / 500 A
- System voltage: 380 - 660 V AC
- Accuracy: I +/-1.0%, U +/-0.5%, P/E +/-2.0%
- Digital I/O: 8 DI, 4 relay DO 250 V AC / 5 A or 30 V DC / 5 A
- Communication: RS485 Modbus RTU; -P Profibus-DP optional
- Display: VP-60FD door-mount module (ordered separately)
- Auxiliary supply: 85 - 305 V AC / 70 - 430 V DC
- Operating temperature: -25 to +70 degC

Optional add-ons: Profibus-DPleakage protection with LD45 / LD100 / LD200 CT//temperature protection-20 mA outputlow-voltage restart (incl. PR-01).

Ordering information

Order code	Description
VP-60F-5A	VP-60F-5A - 0 to 5 A controller
VP-60F-32A	VP-60F-32A - 5 to 32 A controller
VP-60F-100A	VP-60F-100A - 25 to 100 A controller
VP-60F-250A	VP-60F-250A - 100 to 250 A controller
VP-60F-500A	VP-60F-500A - 250 to 500 A controller
VP-60FD	VP-60FD - display module