Vantor VP-60

Low Voltage Motor Protection Controller, 8 DI / 4 DO, Modbus

The Vantor VP-60 is an intelligent low-voltage motor protection controller for pumps, fans, compressors and conveyors from 5 A to 500 A. It protects against overload, locked rotor, phase loss, phase unbalance, earth fault, under-load and voltage faults, supports direct, star-delta, autotransformer and resistor starting, and records the last ten faults with time stamp and electrical values. With 8 digital inputs, 4 relay outputs and RS485 Modbus RTU (Profibus-DP optional) it replaces a whole row of discrete relays in a motor control centre.



Key Features

- Motor ranges 0 - 5 A, 5 - 32 A, 25 - 100 A, 100 - 250 A and 250 - 500 A
- Overload, stall / locked rotor, phase loss, unbalance, earth / leakage, under-load, over/under-voltage protection
- Direct, star-delta, autotransformer and resistor start modes
- 8 DI and 4 relay DO (250 V AC / 5 A)
- RS485 Modbus RTU standard; Profibus-DP optional
- Records the last 10 faults with time stamp and values
- Optional leakage CT (LD45 / LD100 / LD200), temperature protection, 4-20 mA output and low-voltage restart
- Panel-mount display with keypad; 380 - 660 V AC systems

Technical Specifications

- Model: VP-60 series (select motor current range below)
- Motor current ranges: 5 / 32 / 100 / 250 / 500 A
- System voltage: 380 - 660 V AC, 45 - 65 Hz
- Accuracy: U Class 0.5, I Class 1.0
- 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
- Fault memory: 10 records
- Auxiliary supply: 85 - 265 V AC / 80 - 300 V DC, < 5 VA
- 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). Temperature and analogue output cannot be combined.

Ordering information

Order code	Description
VP-60-5	VP-60-5 - 0 to 5 A
VP-60-32	VP-60-32 - 5 to 32 A
VP-60-100	VP-60-100 - 25 to 100 A
VP-60-250	VP-60-250 - 100 to 250 A
VP-60-500	VP-60-500 - 250 to 500 A