Vantor VM-T55M-DO

Three Phase DIN Rail Meter, CT Operated, Digital Output

Vantor VM-T55M-DO three-phase CT-operated DIN rail energy meter with RS485 Modbus RTU, THD measurement and one digital output for external control. Connects through external 1A/5A, mV/mA or Rogowski-coil CTs on 1P2W, 2P3W, 3P3W and 3P4W networks.
Please note: the digital output is a control contact rated 5A 240V AC / 5A 30V DC, not a load disconnect. To switch a supply, wire it to the coil of an external contactor.



Key specifications

- Class 0.5S active / Class 2 reactive energy (IEC 62053-21/22/23)
- 3×230/400V AC (30–300V L-N, 30–500V L-L), 45–65Hz; PT input up to 500kV
- CT input 1A/5A (default), mV/mA or Rogowski coil; primary 1–9999A programmable
- 1P2W / 2P3W / 3P3W / 3P4W network configurations
- Bi-directional: import/export active and reactive energy, four-quadrant
- Voltage and current THD
- Maximum demand with configurable period and slide time
- CT reverse-connect correction function
- 1 digital output, 5A 240V AC / 5A 30V DC
- 1 configurable pulse output (open collector), pulse LED 5000 imp/kWh
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps, up to 64 meters per bus
- Auxiliary supply 80–300V AC / 100–420V DC
- Backlit LCD with touch buttons, password protection
- 4 modules (72mm) TH35-7.5 DIN rail, IP51 display / IP30 body
- CTs sold separately — see Vantor VM-CT split-core CTs

Ordering information

Order code	Description
VM-T55M-DO	Three Phase DIN Rail Meter, CT Operated, Digital Output