Vantor VM-R20M

Single Phase DIN Rail Energy Meter, 80A Direct, Relay, RS485

Vantor VM-M single-phase DIN rail energy meter with a built-in load relay, 80A direct connection and RS485 Modbus RTU. The relay can be opened and closed remotely over RS485 or from the front panel, and can trip automatically on programmable alarm limits, which makes it suited to tenant disconnect and load control on sub-metered sites.



Key specifications

- Built-in load relay: remote connect/disconnect over RS485, manual control from the front panel
- Alarm-triggered disconnect on voltage, current, active/reactive/apparent power or frequency, with programmable automatic reconnect time (0 = manual reconnect only)
- Class 1 / Class 0.5S active energy, Class 2 reactive (IEC 62053-21/22/23)
- 1P2W, 230V AC (85–276V), 45–65Hz
- 0.15–80A direct input, rated 5A, 30× overload for 0.01s
- Bi-directional: import/export active and reactive energy, four-quadrant
- Multifunction: V, A, W, var, VA, kWh, kvarh, PF, frequency
- Monthly and daily energy consumption statistics
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps, up to 64 meters per bus
- 1 configurable pulse output (open collector), pulse LED 1000 imp/kWh
- Backlit LCD with touch buttons, password protection
- 2 modules (36mm) TH35-7.5 DIN rail, IP51 display / IP30 body
- –25°C to +55°C operating, 4kV AC insulation, CAT III

Ordering information

Order code	Description
VM-R20M	Single Phase DIN Rail Energy Meter, 80A Direct, Relay, RS485