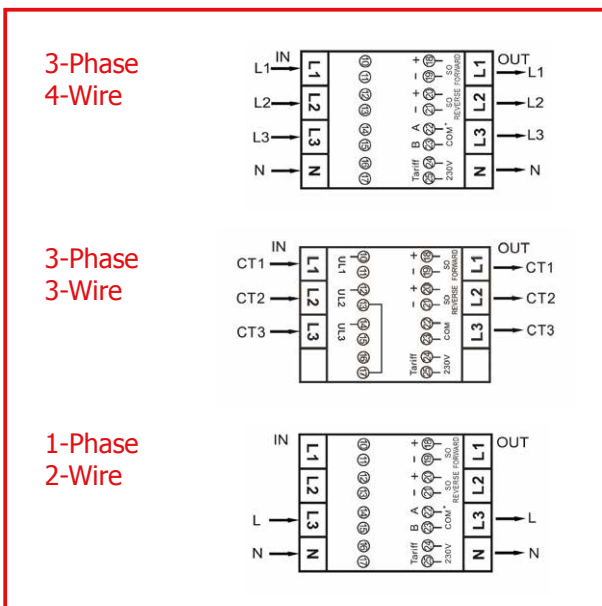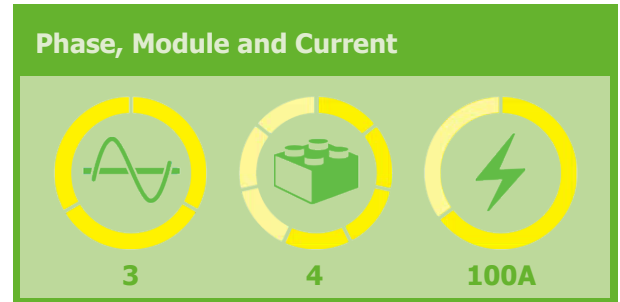# PRO380 - MID - Modbus/M-bus

The PRO380 series is a range of 4 module, three phase smart Energy Meters consisting of 3 different types each with their specific characteristics. They have an exceptional combination of a high accuracy class (1/B) and a broad temperature range of -40°C - +70°C.

The PRO380 series is available as a standard version (with a selectable S0 output) and also as a Modbus or M-bus version. It can communicate and be programmed via an infra-red input. The different communication modes have over 60 variables like; kWh, active and reactive energy, forward and reverse energy as well as Cos phi.

The PRO380 smart energy meter is equipped with a resettable day counter and the total energy usage can be calculated via 5 different modes.

Phase, Module and Current

3   4   100A

3-Phase 4-Wire

3-Phase 3-Wire

1-Phase 2-Wire

* No communication on the PRO380-S

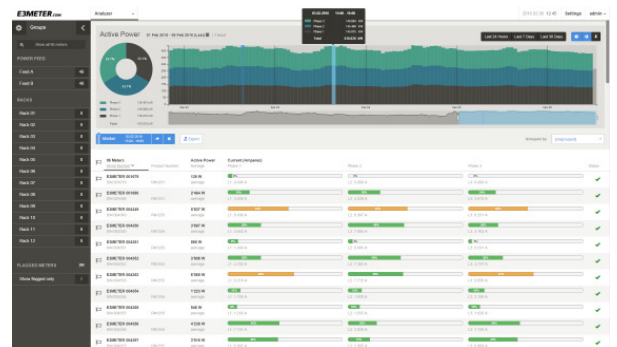## "The most complete 3-phase din-rail meter in the market"

Technical specifications

- Height with protection cover : 140mm
- Height without protection cover : 92,4mm
- Width : 70mm
- Depth : 63mm
- Mounting : DIN rail
- Active energy : ±1%
- Starting current : 0,05Ib
- Impulse S0 duration : T-on: 45ms   T-off: 270ms   T-t: 140us
- Operating humidity : ≤75%
- Storage humidity : ≤95%
- Operating temperature : -40° ~ +70°C
- Storage temperature : -40° ~ +70°C
- Nominal Voltage (Un) : 230/400V AC
- Operational Voltage : 100/173V ~ 270/468V
- AC Voltage withstand for 1 min : 4KV
- Impulse voltage 1.2uS Waveform : 6KV
- Basic current (Ib) : 5A
- Max current (Imax) : 100A
- Operational current range : 0,4%Ib~Imax
- Over current withstand : 30Imax for 0.01s
- Operational frequency range : 45-60Hz
- Int. power consumption : ≤2W/Phase - ≤10VA/Phase
- Basic error : standard
- International standard / protocol : EN50470-3
- IP protection : 51
- Protective class : II
- Calculation of total energy : Forward, Forward+Reverse, Forward-Reverse, Reverse-Forward, Reverse
- Warranty : 60 months - Year 1-2 100%, Year 3 75%, Year 4 50%, Year 5 25%
- Monitoring Software : Compatible with E3METER Data Concentrator

RIEDO NETWORKS

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