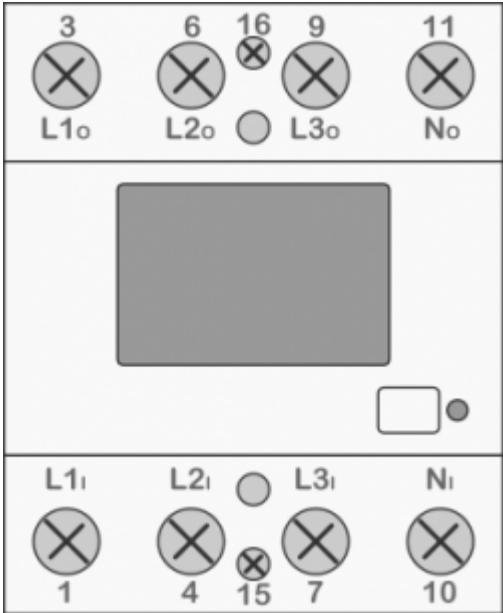


Three phase power-sensor

Three phase power-sensor



| | |
|---|--|
| Model number: | PM3-I-D |
| Connect to: | MC-230 RS485 power sensor bus A - B |
| Mounting: | DIN rail, 3M, 53 mm |
| Dimensions: | 53 × 84 × 66 mm |
| Used for measuring power and energy of | |
| ✓ | three-phase energy sources |
| ✓ | three-phase energy consumers |

Applications

- Digital multi-function power-sensor for 3-phase sources or consumers

Features

- Three phase direct connection up to 65 A
- Serial RS485 communication
- Display LCD 7+1 digit
- Multi-functional front LED

General description

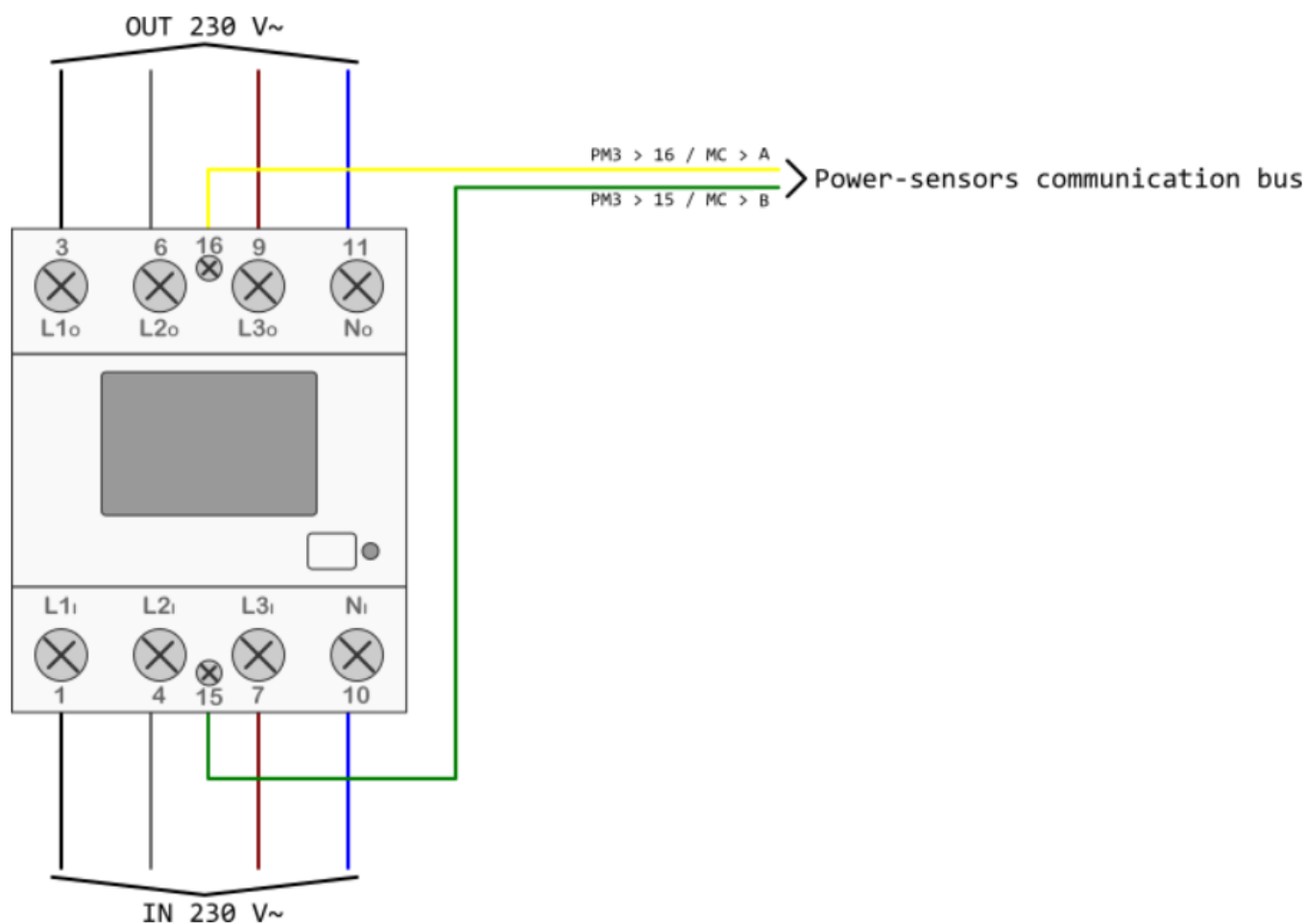
The PM-3-IQ is intended for energy measurements in three-phase electrical power network and can be used in residential, industrial and utility applications. Power-sensor measures energy directly in 4-wire networks according to the principle of fast sampling of voltage and current signals.

Connecting terminals can be sealed up against non-authorized access with protection covers. They are built to be fastened according to EN 60715 standard. Power-sensor has built-in RS485 serial communication with the MODBUS protocol which enables data transmission and thus connection of the measuring places into the network for the control and management with energy.

Technical specifications

| | |
|--|--|
| Nominal voltage | 3×230/400 VAC (-20..+15%) |
| Power connector | 1,5 .. 16 mm ² |
| Reference current | 5 A |
| Maximum current | 65 A |
| Operational frequency range | 50 or 60 Hz |
| Internal power consumption | < 8 VA |
| Communication type | RS485(half-duplex) |
| Communication protocol | Modbus RTU |
| Accuracy | |
| Active energy (Wh) | Class 1 IEC 62053-21 |
| | class B EN 50470-3 |
| | ±1.5% from I _{min} to I _{tr} |
| | ±1% from I _{tr} to I _{max} |
| Ambient conditions and Safety | |
| Dust/water protection | IP50 |
| Operating temp. range | -25 ... 55°C |
| Indoor sensor | yes |
| Protection class | II |
| EC Directives conformity | |
| EC Directive on Measuring Instruments 2014/32/EU | |
| EC Directive on EMC 2014/30/EU | |
| EC Directive on Low Voltage 2014/35/EU | |
| EC Directive WEEE 2002/96/EC | |

Connection



Manual

PM3-I-D Technical Documentation

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