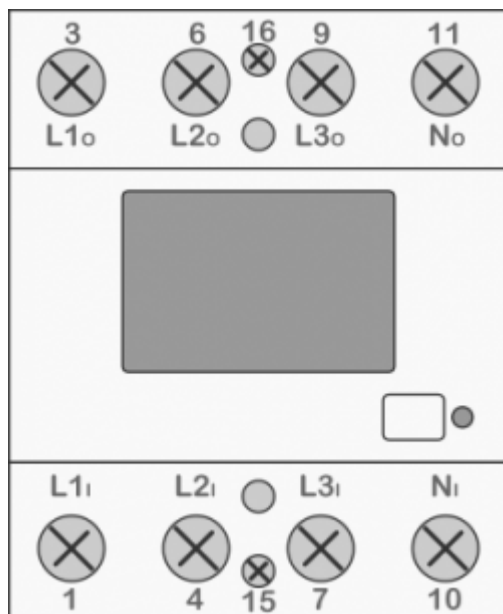


# Three phase power-sensor

## Three phase power-sensor



Model number:	<b>PM3-I-D</b>
Connect to:	<a href="#">MC-230</a> RS485 power sensor bus A - B
Mounting:	DIN rail, 3M, 53 mm
Dimensions:	53 × 84 × 66 mm
<b>Used for measuring power and energy of</b>	
✓	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

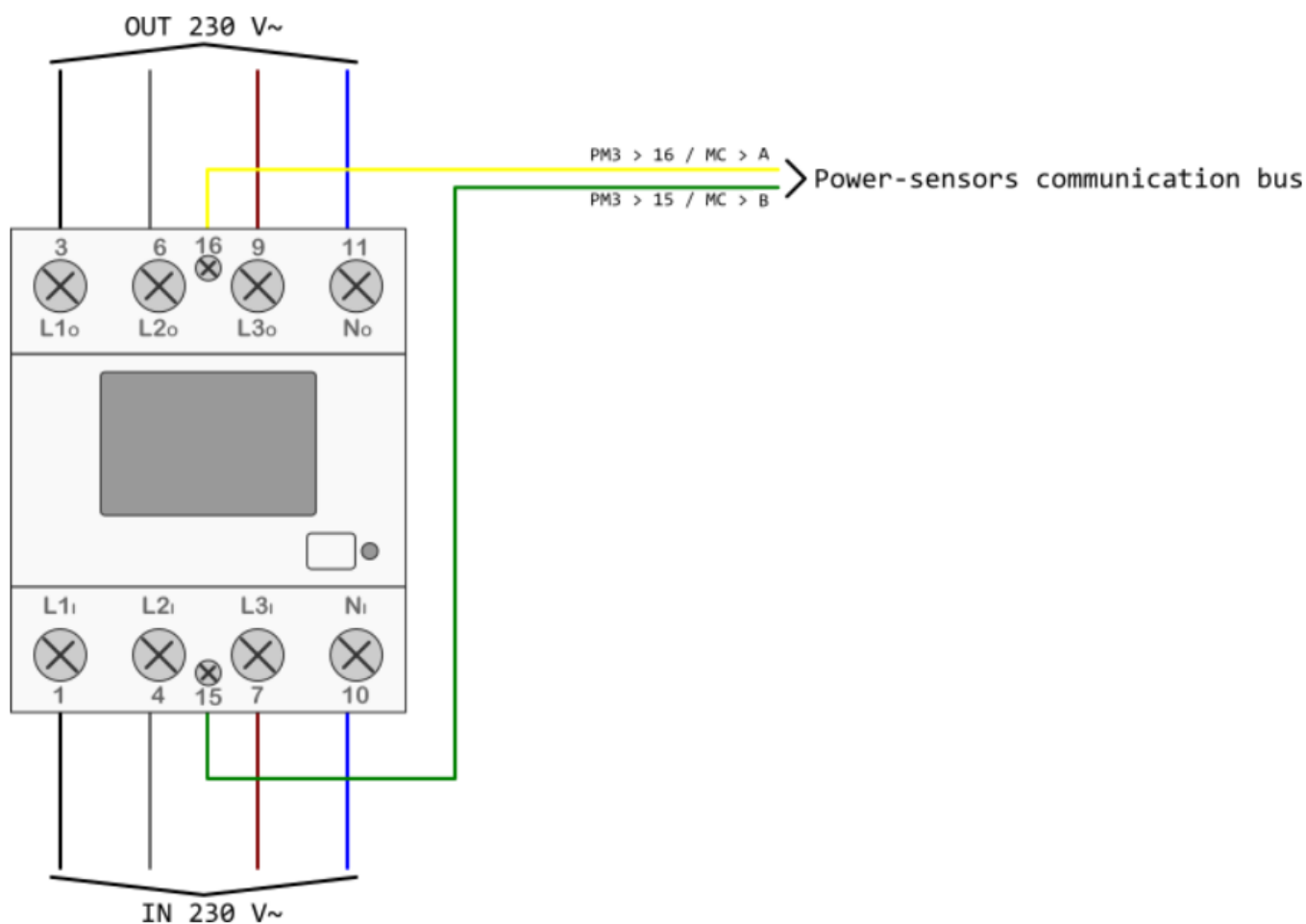
The PM-3-IQ is intended for energy measurements in three-phase electrical power network and can be used in residential, industrial and utility applications. Power-sensor measures energy directly in 4-wire networks according to the principle of fast sampling of voltage and current signals.

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 <sup>2</sup>
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
<b>Accuracy</b>	
Active energy (Wh)	Class 1 IEC 62053-21
	class B EN 50470-3
	±1.5% from I <sub>min</sub> to I <sub>tr</sub>
	±1% from I <sub>tr</sub> to I <sub>max</sub>
<b>Ambient conditions and Safety</b>	
Dust/water protection	IP50
Operating temp. range	-25 ... 55°C
Indoor sensor	yes
Protection class	II
<b>EC Directives conformity</b>	
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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