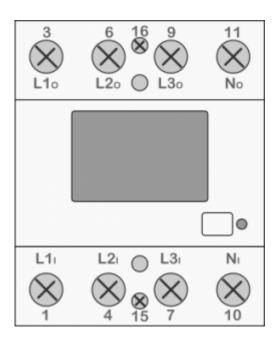
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Three phase power-sensor

Three phase power-sensor



Model number	PM3-I-D	
	MC-230	
Connect to:	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-	three-phase energy sources	
✓ three-	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.

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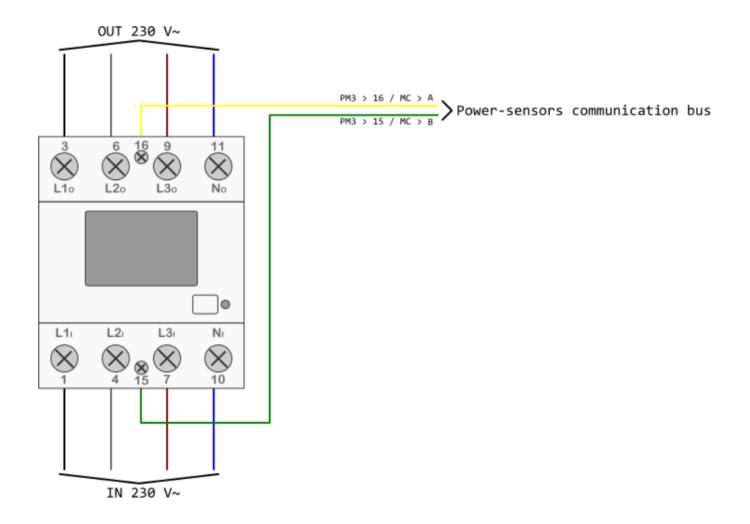
Technical specifications

Nominal voltage	3×230/400 VAC (-20+15%)		
Power connector	1,5 16 mm²		
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			
	Class 1 IEC 62053-21		
Active energy (Wh)	class B EN 50470-3		
	±1.5% from Imin to Itr		
	±1% from ltr to lmax		
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			

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Connection



Manual

PM3-I-D Technical Documentation

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