METSEPM5650

Industrial automation components

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Manufacturer	Schneider Electric
Catalog number	metsepm5650
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Power Meter
Product Family	PowerLogic PM5000 Series
Display Type	Backlit LCD
Measurement Range	Up to 63rd Harmonic
Communication Protocols	Modbus RS-485, TCP/IP, Ethernet/IP, BACnet

Description

The Schneider Electric METSEPM5650 is a high-performance power meter from the PowerLogic PM5000 series, designed for precise energy monitoring and power quality analysis in industrial and commercial settings. This device features a 96mm x 96mm backlit LCD display and offers Class 0.2S accuracy per IEC 62053-22, ensuring reliable measurement of critical electrical parameters. It supports a wide range of measurements, including energy, active and reactive power, voltage, current, frequency, power factor, and harmonic analysis up to the 63rd order. The PM5650 is equipped with advanced features such as waveform capture, voltage sag and swell detection, and direct monitoring of neutral current, making it an essential tool for optimizing energy consumption and maintaining power system reliability. Communication protocols supported include Modbus RS-485, TCP/IP, Ethernet/IP, and BACnet, facilitating seamless integration into various industrial networks. The device operates within a supply voltage range of 100 to 480 V AC and 125 to 250 V DC, with a network frequency of 50/60 Hz, and is suitable for single-phase and three-phase systems.

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