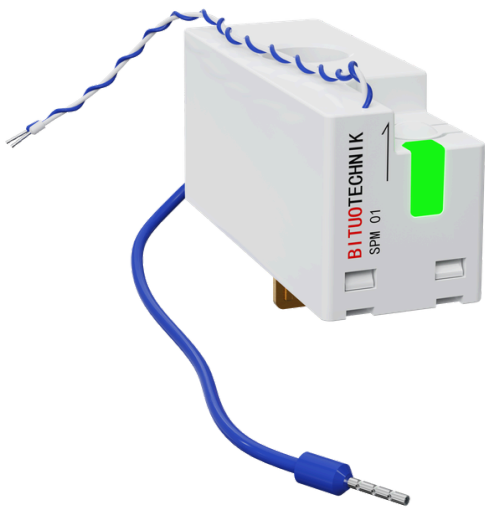


SPM01R MCBM

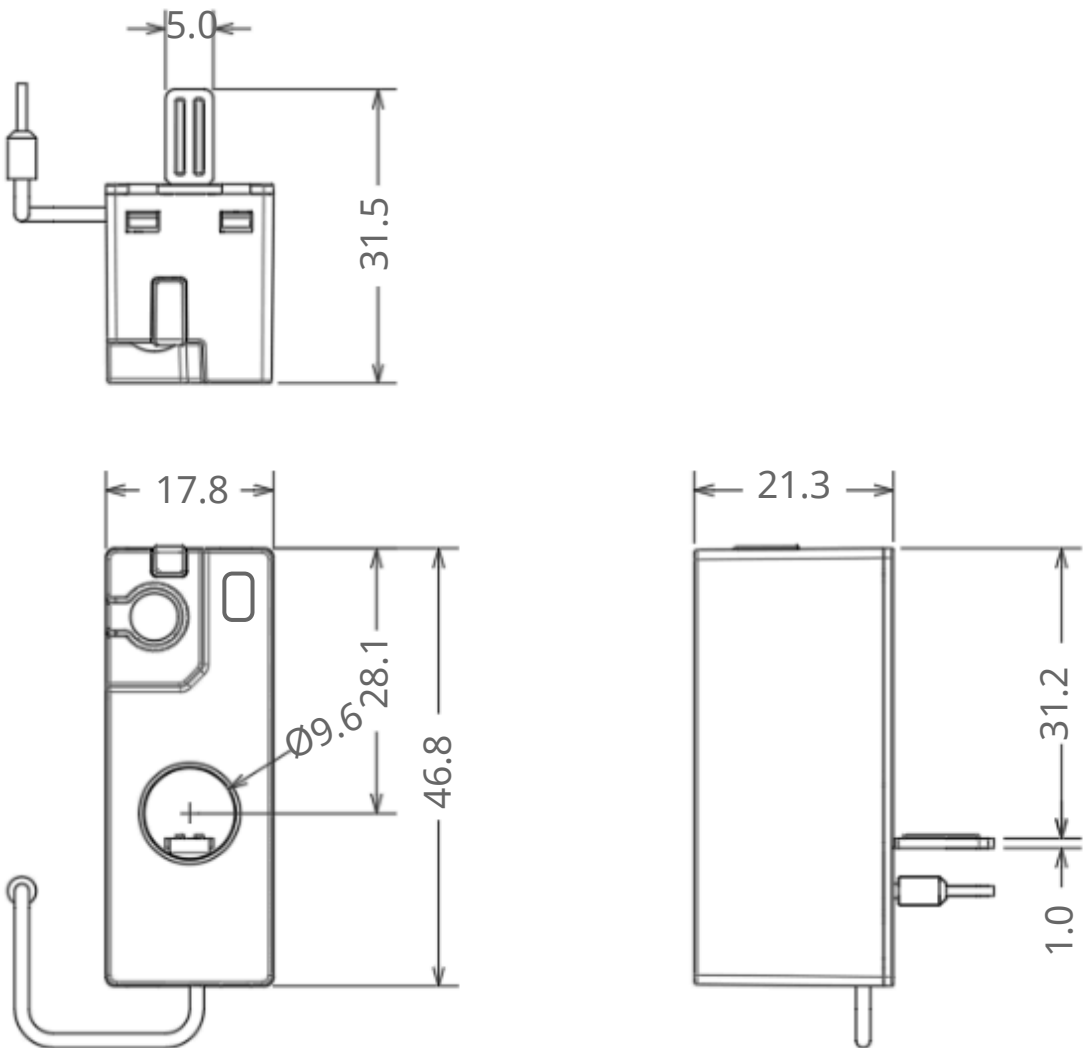
1-Phase 63A MCB-Mounting Miniature Energy Meter

Designed for direct mounting on miniature circuit breakers (MCBs), the SPM01R Miniature Energy Meter features robust Modbus RTU (RS485) communication. It delivers precise, real-time 1-phase energy data through a secure, reliable wired network.



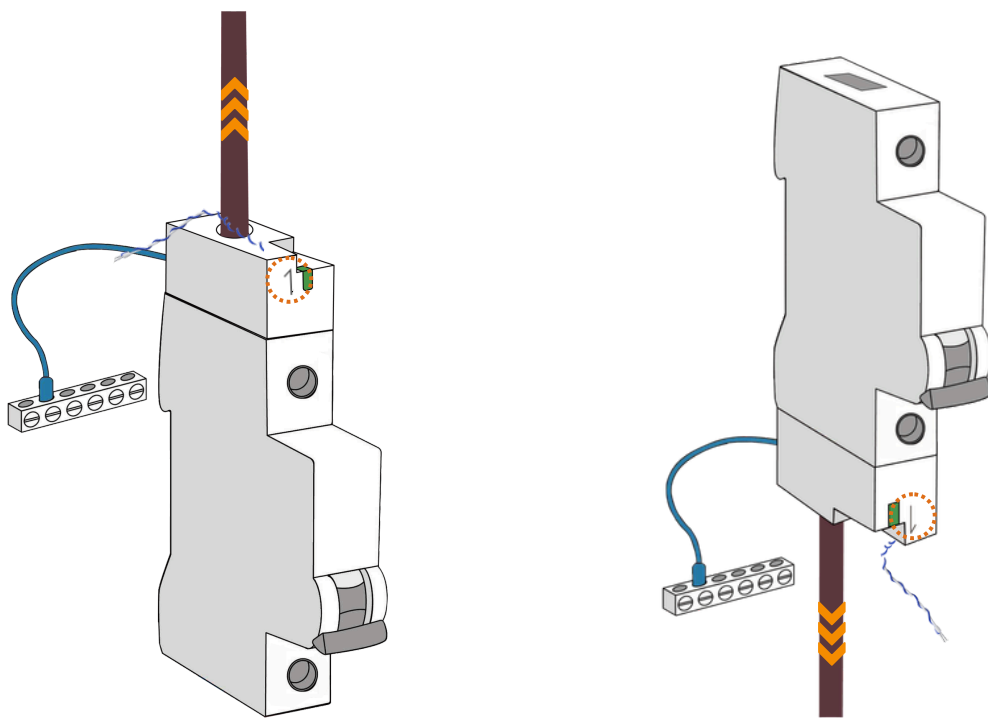
Technical Data

Rated voltage	220-240 VAC, 50/60 Hz
Max monitoring current	63A
Over-voltage category	III
Rated insulating voltage	250V
Rated impulse withstand voltage	4kV
Pollution degree	3
Protection degree	IP20
Measurement accuracy	±1%
Maximum power consumption	≤ 2VA
Rated operating temperature	-25°C to 55°C
Dimension	46.8x17.8x21.3mm
Communication Type	Modbus RTU (RS485)

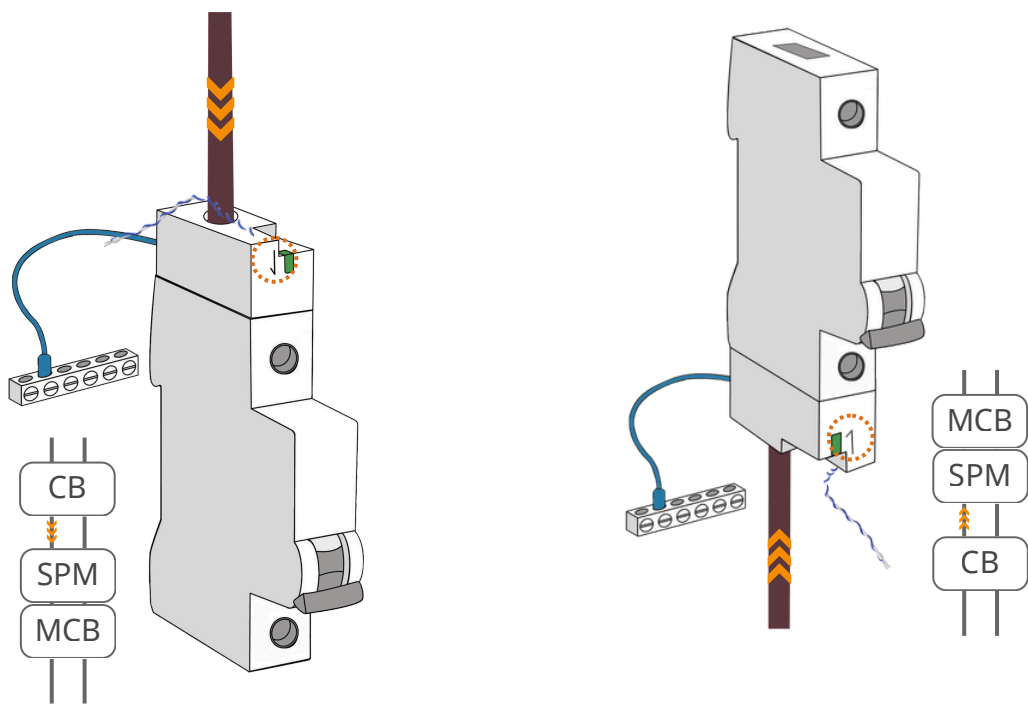


Wiring Diagrams

Downstream Installation



Upstream Installation



Remark

- 1) The device must be associated with an easily accessible upstream protective device – such as miniature circuit breakers (MCB).
- 2) ⚠ The device must be installed, operated, serviced, and maintained ONLY by qualified professionals. Please read the user guide carefully before installation. The user guide is a separate document from the datasheet.
- 3) The manufacturer has only verified the compatibility of SPM01 MCBM with Siemens 5SY/5SL series, including tests on wiring capacity, thermal performance, and mechanical fit etc. The flexible version is recommended if you are unsure about MCB-mounting compatibility with your circuit breakers.
- 4) The device comes with 400mm twisted white (RS485-A) and blue (RS485-B) wires. For long-distance RS485 communication, it is recommended to trim these wires short and splice them to a standard shielded twisted-pair cable.

Ordering Code

Downstream Installation

SPM01-D1M1 | 1PN MCBM-DI/63A Modbus RTU

Upstream Installation

SPM01-U1M1 | 1PN MCBM-UI/63A Modbus RTU