

SPM02 MCBM

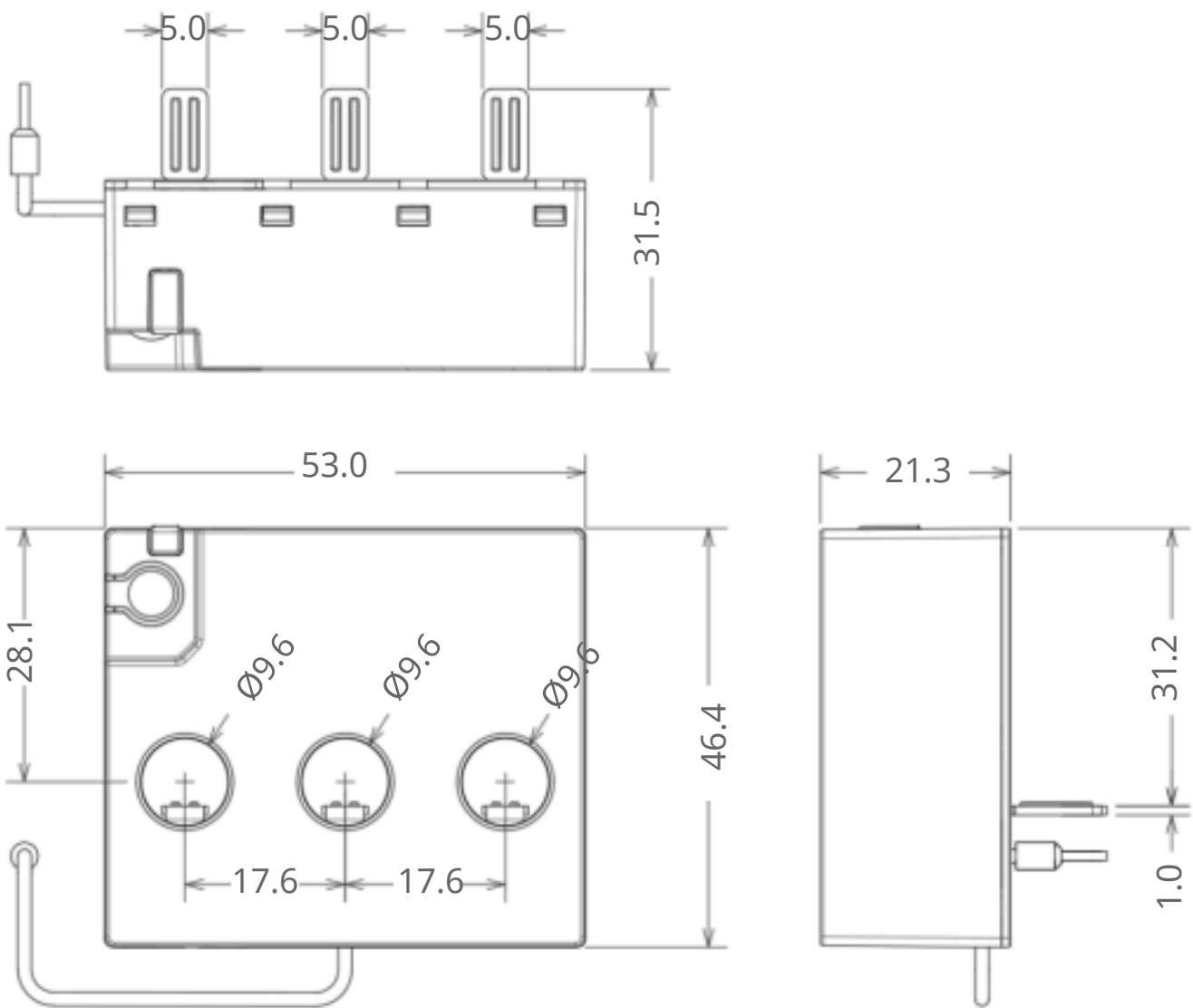
3-Phase 63A MCB-mounting Miniature Energy Meter

The SPM02 Miniature Energy Meter (MCB-mounting Version) is an advanced electrical monitoring device designed for three-phase applications, specifically designed for seamless integration with miniature circuit breakers (MCB).

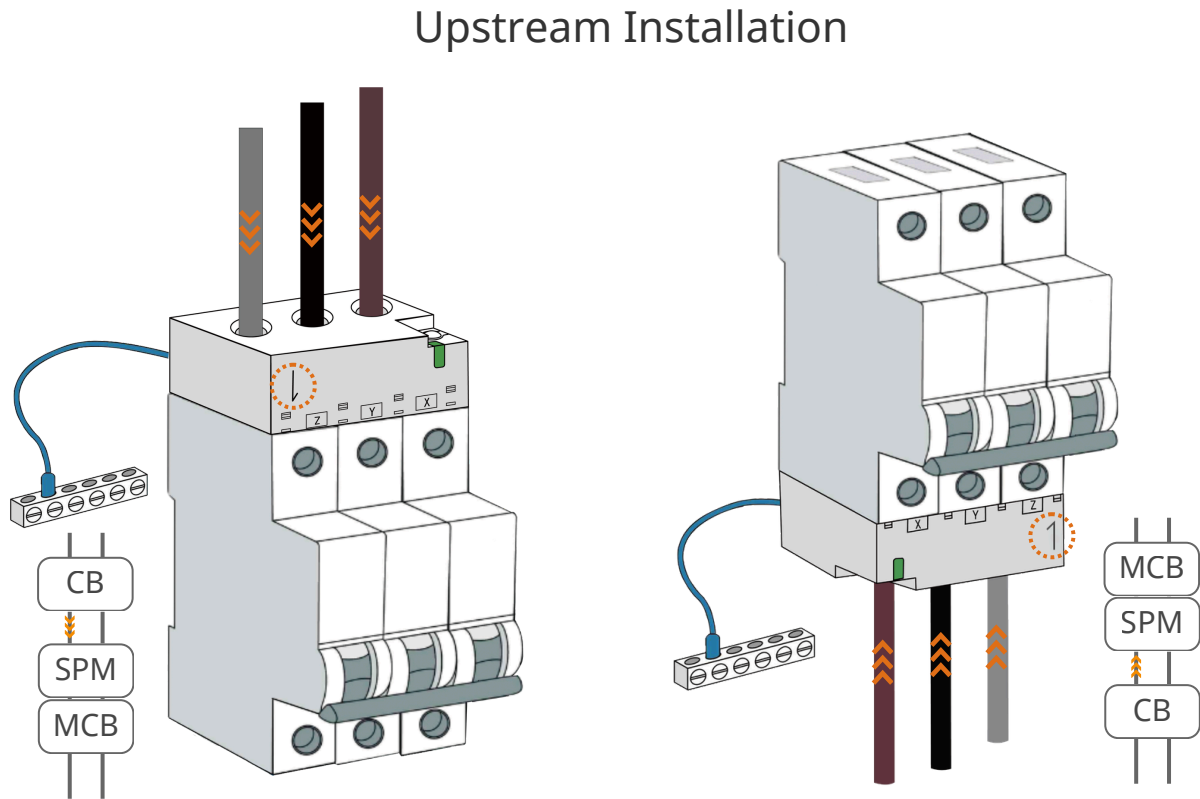
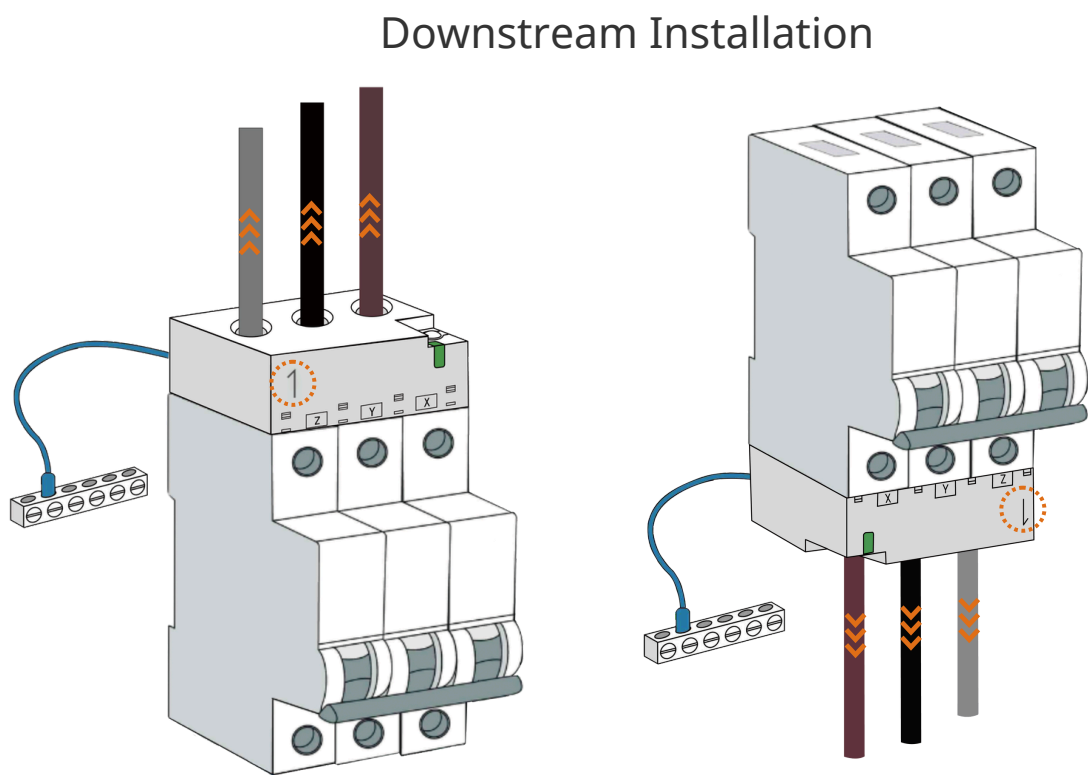


Technical Data

Rated voltage	220-240 VAC L-N, 50/60 Hz 380-415 VAC L-L, 50/60 Hz
Max monitoring current	63A
Over-voltage category	III
Rated insulating voltage	440V
Rated impulse withstand voltage	4kV
Pollution degree	3
Protection degree	IP20
Measurement accuracy	Class 1 (active energy)
Maximum power consumption	≤ 2VA
Rated operating temperature	-25°C to 70°C
Dimension	46.4x53.0x21.3mm
Communication Type	BLE; Wi-Fi; Zigbee



Wiring Diagrams



Remark

- 1) The device must be associated with an easily accessible upstream protective devices – 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.

Ordering Code

Downstream Installation

SPM02-D1TW	3PN MCBM-DI/63A Tuya Wi-Fi
SPM02-D1TZ	3PN MCBM-DI/63A Tuya Zigbee
SPM02-D1EW	3PN MCBM-DI/63A Open BLE+Wi-Fi
SPM02-D1TZ-U01	3PN MCBM-DI/63A Standard Zigbee

Upstream Installation

SPM02-U1TW	3PN MCBM-UI/63A Tuya Wi-Fi
SPM02-U1TZ	3PN MCBM-UI/63A Tuya Zigbee
SPM02-U1EW	3PN MCBM-UI/63A Open BLE+Wi-Fi
SPM02-U1TZ-U01	3PN MCBM-UI/63A Standard Zigbee