

KOSTAL Energy Meter

Power meter - Series P



Data sheet

Technical data KOSTAL Energy Meter - Series P

| Measurement input data | | |
|--|-----------------|---|
| Compatible with inverters (only one inverter) | | PIKO IQ / PLENTICORE plus / PLENTICORE BI |
| Compatible with wallbox ENECTOR | | --- |
| Voltage AC UN | V | 3x230/400 |
| Input voltage range UN | % | 80%...120% |
| Power consumption | VA/W | 10/(2) |
| Frequency | HZ | 50 Hz |
| Auxiliary voltage | | Unit is supplied by the measuring circuit |
| Starting current I _{st} | A | 0.04 |
| Minimum current I _{min} | A | 0.5 |
| Inrush current I _{tr} | A | 1 |
| Rated current I _{ref} | A | 10 |
| Maximum current I _{max} | A | 100 |
| Data measuring connection | | |
| Measurement connection | mm ² | 4...25 (2.5 Nm) |
| Other connections | mm ² | 0.5...1.5 (0.2 Nm) |
| Dielectric strength according to EN 50470-1 | | 1.2 µs/50 µs at 6 kV |
| Electrical strength according to EN 50470-3, 7.2 | | 4 kV for 1 minute |
| Environmental conditions | | |
| Environmental conditions | | M1 |
| Mechanical environment | | E2 |
| Electromagnetic environment | °C | -40...70 |
| Operating temperature/storage temperature | % | 90 |
| Humidity Max. (non-condensing) | IP | 20 |
| Protection class | | Bidirectional |
| Meter type | | |
| Pollution degree | | 2 |
| Protection class | | II |
| Flame resistance-housing | | UL94 V0 |
| Accuracy | | |
| Real energy according to EN 62053-21 | | Class 1 |
| Reactive energy according to EN 62053-23 | | Class 2 |
| Housing | | |
| Dimensions (H/W/D) | mm | 100/72/66 |
| Weight | g | 322 |
| Standard | | DIN 43880 |
| Measuring technical LED | | |
| Counter constant | imp/kWh | 400 |
| Communication | | |
| Standard | | RS 485 |
| Protocol | | Modbus/RTU |
| Speed | bps | 38400 |
| Parameter | | Address, speed, parity, stop |
| Measuring input data | | |
| Counter constant | imp/kWh | 400 |
| Pulse width | ms | 100 |
| Type | | Passive opto-isolated |
| Maximum voltage | V | 27 DC |
| Maximum current | A | 27 |

¹⁾ 2-year warranty. This does not affect your statutory warranty.