

KOSTAL Energy Meter

Power meter - Series P



Data sheet

Technical data KOSTAL Energy Meter - Series P

Measurement input data

Compatible with wallbox ENECOTR		---
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
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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.