SOLAR ELECTRIC

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 Ist	A	0.04
Minimum current Imin	A	0.5
Inrush current Itr	A	1
Rated current Iref	A	10
Maximum current Imax	A	100
Data measuring connection		
Measurement connection	mm2	4...25 (2.5 Nm)
Other connections	mm2	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.

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Subject to technical changes. Errors excepted. You can find current information at www.kostal-solar-electric.com. Manufacturer: KOSTAL Industrie Elektrik GmbH, Hagen, Germany