

KOSTAL Energy Meter MP

Power meter - Series P



Data sheet

Technical data KOSTAL Energy Meter MP - Series P

Measurement input data

Compatible with inverters (only one inverter)		PLENTICORE MP G3
Compatible with wallbox ENECTOR		---
Voltage AC UN	V	230
Input voltage range UN	V	176...276
Power consumption	VA/W	10/(2)
Frequency	HZ	50/60
Starting current Ist	A	0.04
Minimum current Imin	A	0.5
Nominal current Iref.	A	10
Maximum current Imax	A	100
Overcurrent strength	A	30 Imax for 0.01s

Data measuring connection

Measurement connection	mm2	1.5...6 (2.5 Nm)
Other connections	mm2	0.14...2.5 (0.2 Nm)
Impulse voltage withstand		1.2 µs/50 µs at 6 kV
AC voltage withstand		4 kV for 1 minute

Environmental conditions

Environmental conditions		M1
Mechanical environment		E2
Electromagnetic environment	°C	-40...70
Humidity Max. (non-condensing)	%	95
Operating altitude	m	2000
Protection class	IP	20
Meter type		Bidirectional

Safety

Pollution degree		2
Protection class		II
Flame resistance-housing		UL94 V0

Accuracy

Current	%	0,5
Voltage	%	0,5
Active power	%	1,0
Real energy according to EN 62053-21		Class 1
Reactive energy according to EN 62053-23		Class 2

Housing

Dimensions (H/W/D)	mm	90/18/66
Weight	g	90
Standard		DIN 43880

Measuring technical LED

Counter constant	imp/kWh	1000
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Communication

Standard		RS 485
Protocol		Modbus/RTU

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