

# Product datasheet

Specifications



## energy sensor, PowerTag Monoconnect 250A 3P

LV434020

**Price: 852.60 USD**

### Main

Range of product	PowerLogic
Product name	PowerTag M250
Product or component type	Energy sensor
Poles	3P
Maximum current [Imax]	250 A
[Ib] Basic current	40 A
Starting current	160 mA
Saturation current	500 A
Product specific application	Energy management Overload alarm Power factor Load monitoring Circuit monitoring
Concentrator compatibility	EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal EcoStruxure Panel Server Advanced Harmony Hub Acti9 Smartlink SI B Acti9 Smartlink SI D Acti9 PowerTag Link Acti9 PowerTag Link HD
Range compatibility	ComPacT ComPacT NSX NSX100 ComPacT ComPacT NSX NSX250 Compact NS Compact NS100 Compact NS Compact NS250 TeSys TeSys GV5 TeSys TeSys GV7 EasyPact EasyPact CVS100 EasyPact EasyPact CVS160 EasyPact EasyPact CVS250
Type of measurement	Active and reactive energy Active and reactive power Apparent power Current Voltage Power factor
Accuracy class	Class 1 active energy conforming to IEC 61557-12 Class 2 reactive energy conforming to IEC 61557-12 Class 1 active power conforming to IEC 61557-12 Class 2 reactive power conforming to IEC 61557-12 Class 2 apparent power conforming to IEC 61557-12 Class 1 current conforming to IEC 61557-12 Class 0.5 voltage conforming to IEC 61557-12 Class 1 power factor conforming to IEC 61557-12

Excluding VAT, FCA Jabal Ali & amp; are subject to change – check with your local distributor.

<b>Metering type</b>	Power factor 0...1: class 1 at 25 °C conforming to IEC 61557-12 Apparent power S, S1, S2, S3 88 VA...416 kVA: class 2 at 25 °C conforming to IEC 61557-12 Active power P, P1, P2, P3 88 W...416 kW: class 1 at 25 °C conforming to IEC 61557-12 Reactive power Q, Q1, Q2, Q3 88 VAR...416 kVAR: class 2 at 25 °C conforming to IEC 61557-12 Active energy Ep IN/OUT/tot 0...281 x 10exp(9) kWh: class 1 at 25 °C conforming to IEC 61557-12 Reactive energy Ep IN/OUT/tot 0...281 x 10exp(9) kVARh: class 2 at 25 °C conforming to IEC 61557-12 Voltage U12, U23, U31 320...480 V: class 0.5 at 25 °C conforming to IEC 61557-12 Voltage V1N, V2N, V3N 184...276 V: class 0.5 at 25 °C conforming to IEC 61557-12 Current I1, I2, I3, Iavg 8...250 A: class 1 at 25 °C conforming to IEC 61557-12 Frequency 45...65 Hz
<b>Mounting location</b>	Bottom
<b>Mounting support</b>	On circuit breaker
<b>Connection pitch</b>	35 mm
<b>Product destination</b>	Switchboard
<b>Event management</b>	Voltage loss with measured current at voltage loss
<b>Transmission support medium</b>	Radio frequency 2.4...2.4835 GHz conforming to IEEE 802.15.4 (11...26) transmission time < 5 ms
<b>Emission power</b>	10 mW

## Complementary

<b>[Imp] maximum permanent current</b>	1.2 x In
<b>Form factor</b>	Monoconnect
<b>Mounting mode</b>	Bolt-on
<b>Tightening torque</b>	10 N.m
<b>supply voltage</b>	230 V AC, +/- 20 %, between phase and neutral 400 V AC, +/- 20 %, between phases
<b>Network frequency</b>	50 Hz 60 Hz
<b>Maximum power consumption</b>	3.7 VA
<b>Standards</b>	IEC 61557-12 IEC 61010-1 ETSI EN 301 489-1 IEC 61010-2-030 IEC 61326-1 ETSI EN 300 328
<b>Product certifications</b>	IEC DNV Marine
<b>Height</b>	57 mm
<b>Width</b>	105 mm
<b>Depth</b>	86 mm
<b>Net weight</b>	250 g
<b>Colour</b>	Dark grey (RAL 7016)

## Environment

<b>Quality labels</b>	CE
<b>Directives</b>	2014/53/EU - radio equipment directive
<b>Operating altitude</b>	0...2000 m

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Overvoltage category	IV conforming to IEC 61010-1
Measurement category	Category III conforming to IEC 61010-2-030
IP degree of protection	IP20
IK degree of protection	IK07 conforming to IEC 60068-2-75 test Ehb
Pollution degree	3
Relative humidity	0...95 % at 55 °C conforming to IEC 60721-3-3
Vibration resistance	3M4 conforming to IEC 60721-3-3
Electromagnetic compatibility	Industrial electromagnetic environment conforming to IEC 61326-1 Radiated EMC conforming to ETSI EN 301 489-17 Electromagnetic emission conforming to IEC 62311
environmental characteristics	Indoor use

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	11.100 cm
Package 1 Length	13.400 cm
Package 1 Weight	464.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	4
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.290 kg
Unit Type of Package 3	P06
Number of Units in Package 3	64
Package 3 Height	71.500 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	43.000 kg

## Contractual warranty

Warranty (in months)	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	60 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	54 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.8 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	0ecb44c2-7222-400c-8277-d7e3945c467b
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>

## Use Longer




### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	41
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Dimensions

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