Product datasheet

Specifications



Energy Sensor PowerTag NSX - 250 A - 3P

Local distributor code:

408307693 LV434020

EAN Code: 3606485467016

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Metering type	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
Mounting location	Bottom
Mounting support	On circuit breaker
Connection pitch	35 mm
Product destination	Switchboard
Event management	Voltage loss with measured current at voltage loss
Transmission support medium	Radio frequency 2.4…2.4835 GHz conforming to IEEE 802.15.4 (11…26) transmission time < 5 ms
Emission power	10 mW

Complementary

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

Environment

Quality labels	CE
Directives	2014/53/EU - radio equipment directive
Operating altitude	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	461.000 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

Logistical informations

Country of origin	RO

Contractual warranty

Warranty (in months)	18

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	Product Environmental Profile

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	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Again

Repack and remanufacture

Recyclability potential, in %	**41**
End of life manual availability	End of Life Information
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**