

Product datasheet

Specifications



energy sensor, PowerTag Monoconnect 630A 3P+N

LV434023

Main

Range of product	PowerLogic
Product name	PowerTag M630
Product or component type	Energy sensor
Poles	3P + N
Maximum current [Imax]	630 A
[Ib] basic current	100 A
Starting current	400 mA
Saturation current	1260 A
Product specific application	Energy management Overload alarm Power factor Load monitoring Circuit monitoring
Concentrator compatibility	Acti9 Smartlink SI B Acti9 Smartlink SI D Acti9 PowerTag Link C Acti9 PowerTag Link Acti9 PowerTag Link HD Harmony Hub Wiser IP module EcoStruxure Panel Server Universal EcoStruxure Panel Server Advanced PrismaSet Active
Range compatibility	Compact NSX Compact NSX400...630 Compact INS Compact INS320...630 Compact INV Compact INV320...630 Compact NS Compact NS400/630 EasyPact EasyPact CVS400 EasyPact EasyPact CVS630
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
Metering type	Power factor 0...1: class 1 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

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

Voltage V1N, V2N, V3N 184...276 V: class 0.5 at 25 °C conforming to IEC 61557-12
 Current I1, I2, I3, Iavg 20...630 A: class 1 at 25 °C conforming to IEC 61557-12
 Apparent power S, S1, S2, S6 221 VA...1048 kVA: class 2 at 25 °C conforming to IEC 61557-12
 Active power P, P1, P2, P6 221 W...1048 kW: class 1 at 25 °C conforming to IEC 61557-12
 Reactive power Q, Q1, Q2, Q6 221 VAR...1048 kVAR: class 2 at 25 °C conforming to IEC 61557-12
 Frequency 45...65 Hz

Mounting location	Bottom
Mounting support	On circuit breaker
Connection pitch	45 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
Mounting mode	Bolt-on
Tightening torque	50 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 301 487-1 IEC 61010-2-030 IEC 61326-1 ETSI EN 300 328
Height	91 mm
Width	185 mm
Depth	110 mm
Net weight	1000 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

Environmental characteristics	Indoor use
--------------------------------------	------------

Packing Units

Unit Type of Package 1	PCE
-------------------------------	-----

Number of Units in Package 1	1
-------------------------------------	---

Package 1 Weight	1.32 kg
-------------------------	---------

Package 1 Height	12.0 cm
-------------------------	---------

Package 1 width	15.0 cm
------------------------	---------

Package 1 Length	21.0 cm
-------------------------	---------

Unit Type of Package 2	S02
-------------------------------	-----

Number of Units in Package 2	2
-------------------------------------	---

Package 2 Weight	2.982 kg
-------------------------	----------

Package 2 Height	15.0 cm
-------------------------	---------

Package 2 width	30.0 cm
------------------------	---------

Package 2 Length	40.0 cm
-------------------------	---------

Unit Type of Package 3	P06
-------------------------------	-----

Number of Units in Package 3	32
-------------------------------------	----

Package 3 Weight	56.0 kg
-------------------------	---------

Package 3 Height	73.0 cm
-------------------------	---------

Package 3 width	60.0 cm
------------------------	---------

Package 3 Length	80.0 cm
-------------------------	---------

Offer Sustainability

Sustainable offer status	Green Premium product
---------------------------------	-----------------------

REACH Regulation	REACH Declaration
-------------------------	-----------------------------------

EU RoHS Directive	Compliant EU RoHS Declaration
--------------------------	--

Mercury free	Yes
---------------------	-----

RoHS exemption information	Yes
-----------------------------------	---------------------

China RoHS Regulation	China RoHS declaration
------------------------------	--

Environmental Disclosure	Product Environmental Profile
---------------------------------	---

Circularity Profile	End of Life Information
----------------------------	---

Contractual warranty

Warranty	18 months
-----------------	-----------
