



Main

Range	Compact
Device short name	Powertag NSX
Product or component type	Energy sensor
Range compatibility	Acti 9 Acti 9 Smartlink SI B Acti 9 Acti 9 Smartlink SI D Acti 9 Acti 9 Smartlink EL D Compact NSX Compact NSX400...630 Compact NS Compact NS400/630
Product specific application	Breaker voltage monitoring Power factor Overload alarm Load operating time Energy management
Poles description	3P
[In] rated current	630 A
[Imp] maximum permanent current	1.2 x In
Saturation current	1260 A
Inrush current	400 mA
[Ib] basic current	100 A
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 Voltage V1N, V2N, V3N 184...276 V: class 0.5 at 25 °C conforming to IEC 61557-12 Apparent power S, S1, S2, S5 221 VA...1048 kVA: class 2 at 25 °C conforming to IEC 61557-12 Active power P, P1, P2, P5 221 W...1048 kW: class 1 at 25 °C conforming to IEC 61557-12 Reactive power Q, Q1, Q2, Q5 221 VAR...1048 kVAR: class 2 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
Communication port protocol	Modbus TCP/IP via Smartlink SI D Modbus TCP/IP via Smartlink SI B
Transmission support medium	Radio frequency 2.4...2.4835 GHz conforming to IEEE 802.15.4 (11...26) transmission time < 5 ms
Channels utilisation	1 message per device every 5 s
Type of alarms	Voltage loss Overcurrent

Mounting mode	Direct
Mounting location	Bottom Indoor use only
Mounting support	Terminals

Complementary

Rated voltage	230 V AC 50/60 Hz phase to neutral +/- 20 % IEC 61557-12 400 V AC 50/60 Hz phase to phase +/- 20 % IEC 61557-12 230 V AC 50/60 Hz phase to neutral - 15 %...10 % IEC 61010-1 400 V AC 50/60 Hz phase to phase - 15 %...10 % IEC 61010-1
Power consumption in VA	3.7 VA maximum
Connection pitch	45 mm
Tightening torque	50 N.m
Height	91 mm
Width	140 mm
Depth	110 mm
Product weight	800 g
Colour	Dark grey (RAL 7016)

Environment

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
Relative humidity	0...95 % at 55 °C conforming to IEC 60721-3-3
Overvoltage category	IV conforming to IEC 61010-1
Measurement category	Category III conforming to IEC 61010-2-30
Operating altitude	0...2000 m without derating
IP degree of protection	IP20
IK degree of protection	IK07 conforming to IEC 60068-2-75 test Ehb
Pollution degree	3

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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