

Product datasheet

Specifications



standard Network Interface Module STB - Profibus DP - 9.6 kbit/s

STBNDP2212

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard Network Interface Module
Integrated connection type	Profibus DP conforming to DIN 19245 part 1 and 3 9-way female RS485 SUB-D 1 twisted shielded pair (bus) Profibus DP conforming to DIN 19245 part 1 and 3 HE-13 (RS232 port) Profibus DP conforming to DIN 19245 part 1 and 3 8-way female (RS232 port)
Number of segments	1 primary, maximum 6 extensions
Number of server device(s)	125
Transmission rate	12 Mbit/s for bus length of 0...800 m with 3 repeaters 9.6 kbit/s for bus length of 0...4800 m with 3 repeaters 12 Mbit/s for bus length of 0...200 m 9.6 kbit/s for bus length of 0...1200 m
structure type	Industrial field bus DP V.0

Complementary

Number of addressable I/O module	0...32 per island
communication service	Diagnostics Read/write DP slave I/O data Configuration control Slave configuration
[Us] rated supply voltage	24 V DC
Power supply type	SELV
Maximum supply current	700 A
Supply voltage limits	19.2...30 V
Input current	430 mA for supply circuit
Nominal output current	0.575 A at 60...70 °C 1.2 A
Maximum output impedance	0.05 Ohm at 100000 kHz
Output voltage	5.25 V DC (tolerance: +/- 0.21 %) for logic bus
marking	CE
Overvoltage category	II
Status LED	1 LED (green) BUSFLT 1 LED (green) island state (RUN) 1 LED (green) power supply (PWR) 1 LED (red) module error (ERR) 1 LED (yellow) test mode
Depth	70 mm
Height	40 mm

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

Width	128.3 mm
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Environment

Electromagnetic compatibility	Immunity to electromagnetic interference conforming to IEC 61131-2
Product certifications	C-Tick CSA ATEX Cat 3G FM Class 1 Division 2 UL
Pollution degree	2 conforming to IEC 60664-1
Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to IEC 61131-2 class 1
Ambient air temperature for operation	0...60 °C (without derating) -25...70 °C (with derating factor)
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % at 60 °C without condensation
Vibration resistance	3 gn at 58...150 Hz on 35 x 7.5 mm symmetrical DIN rail 5 gn at 58...150 Hz on 35 x 15 mm symmetrical DIN rail +/-0.35 mm at 10...58 Hz
Shock resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	4.7 cm
Package 1 Length	13.0 cm
Package 1 Weight	177.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.588 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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China Rohs Regulation	China RoHS declaration
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Environmental Disclosure	Product Environmental Profile
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Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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Dimensions Drawings

Dimensions

