

# Product data sheet

Specifications



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

STBNDP2212

**Product availability : Stock - Normally stocked in distribution facility**

### Main

<b>Range of Product</b>	Modicon STB distributed I/O solution
<b>Product or Component Type</b>	Standard Network Interface Module
<b>Integrated connection type</b>	Profibus DP DIN 19245 part 1 and 3 9-way female RS485 SUB-D 1 twisted shielded pair bus) Profibus DP DIN 19245 part 1 and 3 HE-13 RS232 port) Profibus DP DIN 19245 part 1 and 3 8-way female RS232 port)
<b>Number of segments</b>	1 primary, maximum 6 extensions
<b>Number of slave</b>	125
<b>Transmission rate</b>	12 Mbit/s 0.00...2624.67 ft (0...800 m) with 3 repeaters 9.6 kbit/s 0.00...15748.03 ft (0...4800 m) with 3 repeaters 12 Mbit/s 0.00...656.17 ft (0...200 m) 9.6 kbit/s 0.00...3937.01 ft (0...1200 m)
<b>Structure type</b>	Industrial field bus DP V.0

### Complementary

<b>Number of addressable I/O module</b>	0...32 per island
<b>Communication Service</b>	Diagnostics Read/write DP slave I/O data Configuration control Slave configuration
<b>[Us] rated supply voltage</b>	24 V DC
<b>Power supply type</b>	SELV
<b>Maximum supply current</b>	700 A
<b>Supply voltage limits</b>	19.2...30 V
<b>Input current</b>	430 mA supply circuit
<b>Nominal output current</b>	0.575 A 140...158 °F (60...70 °C) 1.2 A
<b>Maximum output impedance</b>	0.05 Ohm 100000 kHz
<b>Output voltage</b>	5.25 V DC +/- 0.21 %)logic bus
<b>Marking</b>	CE
<b>Overvoltage category</b>	II
<b>Status LED</b>	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
<b>Depth</b>	2.76 in (70 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

Height	1.57 in (40 mm)
Width	5.05 in (128.3 mm)

## Environment

Electromagnetic compatibility	Immunity to electromagnetic interference IEC 61131-2
Product Certifications	C-tick CSA ATEX Cat 3G FM Class 1 Division 2 UL
Pollution degree	2 IEC 60664-1
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 conforming to EN 61131-2 class 1
Ambient air temperature for operation	32...140 °F (0...60 °C) without derating) -13...158 °F (-25...70 °C) with derating factor)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail 5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

## Ordering and shipping details

Category	18215-ADVANTYS STB I/O
Discount Schedule	PC32
GTIN	3595862055130
Nbr. of units in pkg.	1
Package weight(Lbs)	6.24 oz (177.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.76 in (7.0 cm)
Package 1 width	1.85 in (4.7 cm)
Package 1 Length	5.12 in (13.0 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Weight	12.32 lb(US) (5.588 kg)
Package 2 Height	5.91 in (15.0 cm)
Package 2 width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>

<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

<b>Warranty</b>	18 months
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## Dimensions

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