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

Width	128.3 mm

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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Guide to assess a product's sustainability ›

Transparency

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Reach Regulation   REACh Declaration

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

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