

STBNDP2212

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



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 slave	0...125
Transmission rate	12 Mbit/s for bus length of 0...200 m 12 Mbit/s for bus length of 0...800 m with 3 repeaters 9.6 kbit/s for bus length of 0...1200 m 9.6 kbit/s for bus length of 0...4800 m with 3 repeaters
Structure type	Industrial field bus DP V.0

Complementary

Number of addressable I/O module	0...32 per island
Communication service	Configuration control Diagnostics Read/write DP slave I/O data Slave configuration
[Us] rated supply voltage	24 V DC
Power supply type	SELV
Supply current	>= 700 mA
Supply voltage limits	19.2...30 V
Input current	430 mA for supply circuit
Nominal output current	1.2 A 0.575 A (60...70 °C)
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 red for module error (ERR) 1 LED green for island state (RUN) 1 LED green for power supply (PWR) 1 LED yellow for test mode 1 LED green for BUSFLT
Depth	70 mm
Height	40 mm
Width	128.3 mm
Product weight	0.14 kg

Environment

Electromagnetic compatibility	Immunity to electromagnetic interference conforming to IEC 61131-2
Product certifications	ATEX Cat 3G CSA C-Tick FM Class 1 Division 2 UL
Pollution degree	2 conforming to IEC 60664-1

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Operating altitude	<= 2000 m
IP degree of protection	IP20 conforming to EN 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	+/-0.35 mm (f = 10...58 Hz) 5 gn (f = 58...150 Hz) on 35 x 15 mm symmetrical DIN rail 3 gn (f = 58...150 Hz) on 35 x 7.5 mm symmetrical DIN rail
Shock resistance	30 gn for 11 ms conforming to IEC 88 reference 2-27

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0832 - Schneider Electric declaration of conformity
Product environmental profile	Available

Contractual warranty

Period	18 months
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