

Product data sheet

Specifications



network interface module, Modicon STB, standard, CANopen bus, 1Mbps

STBNCO2212

Main

Range of product	Modicon STB distributed I/O solution
Product or component type	Standard Network Interface Module
Integrated connection type	CANopen bus conforming to CIA DS-301 9-way male SUB-D connector double shielded twisted pair (bus) CANopen bus conforming to CIA DS-301 HE-13 (RS232 port) CANopen bus conforming to CIA DS-301 8-way female (RS232 port)
Number of segments	1 primary, maximum 6 extensions
Number of server device(s)	127
Transmission rate	1 Mbit/s for bus length of 30 m 10 kbit/s for bus length of 5000 m
Structure type	CAN field bus

Complementary

Number of addressable I/O module	0...32 per island
Communication service	Service Data Object (SDO) Network management (NMT) Process Data Object (PDO)
[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
Output voltage	5.25 V DC (tolerance: +/- 0.21 %) for logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED (green) CAN RUN 1 LED (green) island state (RUN) 1 LED (green) power supply (PWR) 1 LED (red) CAN ERR 1 LED (red) module error (ERR) 1 LED (yellow) test mode
Depth	70 mm
Height	40 mm
Width	128.3 mm
Net weight	0.135 kg

Environment

Electromagnetic compatibility	Immunity to electromagnetic interference conforming to IEC 61131-2
Product certifications	ATEX Cat 3G FM Class 1 Division 2 CSA UL C-Tick
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	4.300 cm
Package 1 Width	7.200 cm
Package 1 Length	13.000 cm
Package 1 Weight	169.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.640 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

[EU RoHS Directive](#)

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

REACH Regulation

[REACH Declaration](#)

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 www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

WEEE

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Take-back

No

Dimensions Drawings

Dimensions

