

# 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

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Number of addressable I/O module		
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	19.230 V	
Input current	430 mA for supply circuit	
Nominal output current	0.575 A at 6070 °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	060 °C (without derating)	
	-2570 °C (with derating factor)	
Ambient air temperature for storage	-4085 °C	
Relative humidity	95 % at 60 °C without condensation	
Vibration resistance	3 gn at 58150 Hz on 35 x 7.5 mm symmetrical DIN rail	
	5 gn at 58150 Hz on 35 x 15 mm symmetrical DIN rail	
	+/-0.35 mm at 1058 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



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 footpring	Ŀ
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Environmental Disclosure

Product Environmental Profile

#### **Use Better**

<b>⊗</b> Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	F760fd97-89c1-4651-a374-9b8eff254b6a
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture		
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

# **Dimensions Drawings**

### **Dimensions**

