

Product datasheet

Specifications



standard Network Interface Module STB - CANopen bus - 1 Mbit/s

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 slave	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 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	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

Offer Sustainability

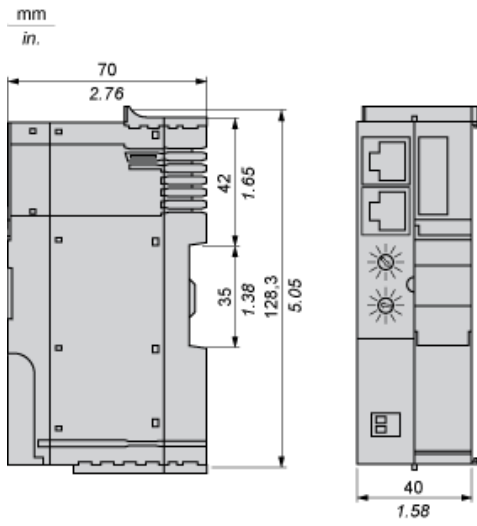
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must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

Contractual warranty

Warranty

18 months

Dimensions



Recommended replacement(s)