Product datasheet

Specifications

Green Premium™

Bus coupler. TeSys island. PROFINET

TPRBCPFN

Price: 8,961.41 ZAR

Main

Range	TeSys
Product Name	TeSys island
Device Short Name	TPRBC
Product Or Component Type	Bus coupler
Communication Port Protocol	Profinet IO
Device Presentation	Point of connection between a group of starters and an automation controller Management of the complete island up to 20 modules
Function Available	Full integration with SoMove for the control of the island One single 24V DC power supply for the complete island Two fieldbus ports for communication with an automation controller One service port with an embedded webserver for maintenance
Product Compatibility	TPRST motor starter TPRSS SIL motor starter TPRPM power module TPRSM SIL interface module TPRVM voltage interface module TPRAN analog IO module TPRDG digital IO module
Integrated Connection Type	2 RJ45, connector female for protocol Profinet IO, fieldbus port 1 RJ45, connector female for protocol Ethernet TCP/IP, service port 1 micro SD card port
Communication Service	Conformance class A (CC-A) Net load class 1 DHCP client SNTP client
Local Signalling	1 LED green/yellow with PWR marking for power supply status 1 LED green/red with SF marking for system fault 1 LED green/red with BF marking for network status 1 LED green/red with BS marking for internal bus status 1 LED green/red with SD marking for SD card access (SD)
[Us] Rated Supply Voltage	24 V DC
Supply Voltage Limits	20.4…28.8 V DC
Rated Current	3 A maximum
Protection Type	External fuse, 3 A fast fuse for power supply Reverse polarity protection for power supply
Power Dissipation In W	7 W maximum

Complementary

Cybersecurity	Achilles certified
Standards	EN/IEC 60947-4-1 CSA C22.2 No 61010-2-201 UL 61010-2-201 EN/IEC 61010-2-201

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Product Certifications	UL CSA EAC Achilles: level 2 PNO
Mounting Mode	Horizontal and vertical (35 mm symmetrical rail)
Connections - Terminals	Power supply: removable spring terminal block 2 cable(s) 2.5 mm² (AWG 14) rigid or flexible
Width	50 mm
Height	118 mm
Depth	114 mm
Net Weight	0.204 kg

Environment

Ambient Air Temperature For Storage	-25…70 °C
Ambient Air Temperature For Operation	-10…60 °C
Relative Humidity	5…95 %
Operating Altitude	0...2000 m without derating
Ip Degree Of Protection	IP20
Pollution Degree	2
Protective Treatment	TC
Fire Resistance	960 °C conforming to UL 94
Shock Resistance	15 gn (duration = 11 ms) conforming to IEC 60068-2-27
Vibration Resistance	1.5 mm peak to peak (f= 3…13 Hz) conforming to IEC 60068-2-6 1 gn (f= 13…200 Hz) conforming to IEC 60068-2-6
Electromagnetic Compatibility	Electrostatic discharge, level 3, 8 kV air, 6 kV contact, conforming to EN/IEC 61000-4-2 Radiated RF fields, level 3, 10 V/m, conforming to EN/IEC 61000-4-3 Communication: fast transients immunity test, level 3, 1 kV, conforming to EN/IEC 61000-4-4 Power supply: fast transients immunity test, level 3, 2 kV, conforming to EN/IEC 61000-4-4 Communication: surge immunity test (common mode), level 3, 1 kV, conforming to EN/IEC 61000-4-5 Power supply: surge immunity test (common mode), level 3, 2 kV, conforming to EN/IEC 61000-4-5

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.8 cm
Package 1 Width	13.7 cm
Package 1 Length	15.5 cm
Package 1 Weight	283.0 g

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

✓ Halogen Free Plastic Parts & Cables Product

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant with Exemptions

China Rohs Regulation   China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

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

Circularity Profile   End of Life Information