Product data sheet

Specifications

Green Premium™

Bus coupler, TeSys island, 24VDC, Ethernet switch (EtherNet IP / Modbus TCP)

TPRBCEIP

Product availability: Stock - Normally stocked in distribution facility

Price*: 335.00 USD

Main

Range	TeSys
Product Name	TeSys island
Device Short Name	TPRBC
Product Or Component Type	Bus coupler
Communication Port Protocol	EtherNet/IP Modbus TCP
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/MachineExpert for the programming 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 female Ethernet IP/Modbus TCP 10/100BASE-T, fieldbus port 1 RJ45 female Ethernet TCP/IP, service port 1 micro SD card port
Exchange Mode	Half duplex, full duplex, autonegotiation Ethernet
Communication Service	Ethernet/IP adapter Modbus TCP server DHCP client BOOTP client SNMP client SNTP client Auto MDI/MDX function
Local Signalling	1 LED green/yellow PWR power supply status 1 LED green/red MS module status 1 LED green/red NS network status 1 LED green/red BS internal bus status 1 LED green/red SD 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 power supply Reverse polarity protection power supply
Power Dissipation In W	7 W maximum

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
Product Certifications	UL CSA EAC Achilles level 2
Mounting Mode	Horizontal and vertical 35 mm symmetrical rail)
Connections - Terminals	Power supply removable spring terminal block 2 0.00 in² (2.5 mm²) AWG 14)rigid or flexible
Width	1.97 in (50 mm)
Height	4.65 in (118 mm)
Depth	4.49 in (114 mm)
Net Weight	0.45 lb(US) (0.204 kg)

Environment

Ambient Air Temperature For Storage	-13…158 °F (-25…70 °C)
Ambient Air Temperature For Operation	14…140 °F (-10…60 °C)
Relative Humidity	5…95 %
Operating Altitude	0...6561.68 ft (0...2000 m) without derating
Ip Degree Of Protection	IP20
Pollution Degree	2
Protective Treatment	TC
Fire Resistance	1760 °F (960 °C) UL 94
Shock Resistance	15 gn 11 ms) IEC 60068-2-27
Vibration Resistance	1.5 mm peak to peak 3…13 Hz) IEC 60068-2-6 1 gn 13…200 Hz) 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

Ordering and shipping details

Category	US10I1222353
Discount Schedule	0I12
Gtin	3606489832704
Returnability	Yes
Country Of Origin	SG

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.500 cm)
Package 1 Width	5.31 in (13.500 cm)
Package 1 Length	6.10 in (15.500 cm)
Package 1 Weight	9.84 oz (279.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	16
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	11.53 lb(US) (5.230 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ 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 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
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov