Product datasheet

Specifications

Green Premium™

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

Local distributor code:

425225635 TPRBCEIP

EAN Code: 3606489832704

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, connector female for protocol Ethernet IP/Modbus TCP 10/100BASE-T, fieldbus port 1 RJ45, connector female for protocol 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 with PWR marking for power supply status 1 LED green/red with MS marking for module status 1 LED green/red with NS 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

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

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 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	6.500 cm
Package 1 Width	13.500 cm
Package 1 Length	15.500 cm
Package 1 Weight	279.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	16

Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	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