

# Product datasheet

Specifications



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

Local distributor code:

425225635

TPRBCEIP

**EAN Code: 3606489832704**

### Main

<b>Range</b>	TeSys
<b>Product name</b>	TeSys island
<b>Device short name</b>	TPRBCE
<b>Product or component type</b>	Bus coupler
<b>Communication port protocol</b>	EtherNet/IP Modbus TCP
<b>Device presentation</b>	Point of connection between a group of starters and an automation controller Management of the complete island up to 20 modules
<b>Function available</b>	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
<b>Product compatibility</b>	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
<b>Integrated connection type</b>	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
<b>Exchange mode</b>	Half duplex, full duplex, autonegotiation Ethernet
<b>Communication service</b>	Ethernet/IP adapter Modbus TCP server DHCP client BOOTP client SNMP client SNTP client Auto MDI/MDX function
<b>Local signalling</b>	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)
<b>[Us] rated supply voltage</b>	24 V DC
<b>Supply voltage limits</b>	20.4...28.8 V DC
<b>Rated current</b>	3 A maximum
<b>Protection type</b>	External fuse, 3 A fast fuse for power supply Reverse polarity protection for power supply
<b>Power dissipation in W</b>	7 W maximum

### Complementary

<b>Cybersecurity</b>	Achilles certified
<b>Standards</b>	EN/IEC 60947-4-1 CSA C22.2 No 61010-2-201 UL 61010-2-201 EN/IEC 61010-2-201
<b>Product certifications</b>	UL CSA EAC Achilles: level 2
<b>Mounting mode</b>	Horizontal and vertical (35 mm symmetrical rail)
<b>Connections - terminals</b>	Power supply: removable spring terminal block 2 cable(s) 2.5 mm <sup>2</sup> (AWG 14) rigid or flexible
<b>Width</b>	50 mm
<b>Height</b>	118 mm
<b>Depth</b>	114 mm
<b>Net weight</b>	0.204 kg

## Environment

<b>Ambient air temperature for storage</b>	-25...70 °C
<b>Ambient air temperature for operation</b>	-10...60 °C
<b>Relative humidity</b>	5...95 %
<b>Operating altitude</b>	0...2000 m without derating
<b>IP degree of protection</b>	IP20
<b>Pollution degree</b>	2
<b>Protective treatment</b>	TC
<b>Fire resistance</b>	960 °C conforming to UL 94
<b>Shock resistance</b>	15 gn (duration = 11 ms) conforming to IEC 60068-2-27
<b>Vibration resistance</b>	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
<b>Electromagnetic compatibility</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.500 cm
<b>Package 1 Width</b>	13.500 cm
<b>Package 1 Length</b>	15.500 cm
<b>Package 1 Weight</b>	288.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	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

---

## Logistical informations

---

Country of origin	ID
-------------------	----

## Contractual warranty

---

Warranty	18 months
----------	-----------

## Environmental Data

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 footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant with Exemptions

SCIP Number

737c99ce-bdba-4209-8b07-d1c5bfde8889

Halogen-free status

Halogen free plastic parts product

## Use Again

### Repack and remanufacture


End of life manual availability

[End of Life Information](#)

Take-back

No

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Technical Illustration

Assembly's dimensions

---

