Product data sheet

Specifications



Bus coupler, TeSys island, PROFIBUS

TPRBCPFB

Product availability : Stock - Normally stocked in distribution facility

Price* : 375.00 USD

Main

Range	TeSys
Product name	TeSys island
Device short name	TPRBC
Product or Component Type	Bus coupler
Communication Port Protocol	Profibus DP
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 One fieldbus port 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	1 SUB-D 9 female Profibus DP, fieldbus port 1 RJ45 female Ethernet TCP/IP, service port 1 micro SD card port
Communication service	Type 3 data-link layer service Profibus DHCP client Ethernet TCP/IP SNTP client Ethernet TCP/IP
Local signalling	1 LED green/yellow PWR power supply status 1 LED green/red MS module status 1 LED green/red COM 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

Complementary

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

* 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

	UL 61010-2-201 EN/IEC 61010-2-201
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 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)EN/IEC 61000-4-2) Radiated RF fields, level 3 10 V/m)EN/IEC 61000-4-3) Fast transients immunity test, level 3 1 kV)EN/IEC 61000-4-4) Fast transients immunity test, level 3 2 kV)EN/IEC 61000-4-4) Surge immunity test, level 3 1 kV)EN/IEC 61000-4-5) Surge immunity test, level 3 2 kV)EN/IEC 61000-4-5)

Ordering and shipping details

Category	22345-CTR,D-LINE,OPEN,NONREV-NEW
Discount Schedule	I12
GTIN	3606489832735
Nbr. of units in pkg.	1
Package weight(Lbs)	10.16 oz (288.0 g)
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.56 in (6.5 cm)
Package 1 width	5.31 in (13.5 cm)
Package 1 Length	6.10 in (15.5 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Halogen content performance	Halogen free plastic parts & cables product

Contractual warranty

Warranty	18 months