



Main

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| 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 female Profinet IO, fieldbus port 1 RJ45 female 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 PWR power supply status 1 LED green/red SF system fault 1 LED green/red BF 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

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| 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 PNO |
| Mounting mode | Horizontal and vertical 35 mm symmetrical rail) |
| Connections - terminals | Power supply removable spring terminal block 2 0.00 in ² (2.5 mm ²) 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

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|---------------------------------------|---|
| 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

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|-------------------|----------------------------------|
| Category | 22345-CTR,D-LINE,OPEN,NONREV-NEW |
| Discount Schedule | I12 |
| GTIN | 3606489832711 |
| Returnability | Yes |
| Country of origin | US |

Packing Units

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|------------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.68 in (6.8 cm) |
| Package 1 Width | 5.39 in (13.7 cm) |
| Package 1 Length | 6.10 in (15.5 cm) |
| Package 1 Weight | 9.98 oz (283.0 g) |

Offer Sustainability

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| 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 |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| 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

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| Warranty | 18 months |
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