

Product availability: Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys island
Device short name	TPRVM
Product or component type	Voltage interface module
Device presentation	Monitoring of the mains voltage powering the island Reporting of the voltage to the bus coupler to enable power & energy monitoring
Function of module	Monitoring of voltages in single phase systems L-N or L-L Monitoring of voltages in 3-phase systems without neutral N connection Calculation of RMS phase voltages, voltage phase sequence, fundamental frequency Identification of dip and swell events level and duration
Product compatibility	TPRBC bus coupler
[Ue] rated operational voltage	690 V AC 47...63 Hz
[Ui] rated insulation voltage	690 V IEC 61010-1
[Uimp] rated impulse withstand voltage	6 kV IEC 61010-1
Overtoltage category	III
Monitoring type	Phase voltage 100...690 V Phase frequency 47...63 Hz Phase sequence
Measurement accuracy	Voltage +/- 5 %, Frequency +/- 1 Hz,
Local signalling	DS (device status) 1 LED green/red) VS (voltage status) 1 LED green/red)

Complementary

[Us] rated supply voltage	24 V DC supplied by the bus coupler
Current consumption	2 mA
Power dissipation in W	0.5 W maximum
Standards	IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product certifications	CSA UL EAC (pending)
Mounting mode	Horizontal and vertical 35 mm symmetrical rail)
Connections - terminals	Measuring input removable spring terminal block 3 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)rigid Measuring input removable spring terminal block 3 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Measuring input removable spring terminal block 3 0.00...0.00 in ² (0.25... 2.5 mm ²) AWG 22...AWG 14)flexible with cable end
Width	0.98 in (25 mm)
Height	4.65 in (118 mm)
Depth	4.49 in (114 mm)
Product weight	0.35 lb(US) (0.159 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 2 kV)EN/IEC 61000-4-4) Surge immunity test, level 3 2 kV)EN/IEC 61000-4-5)

Ordering and shipping details

Category	22353 - TESYS ISLAND AUXILIARY DEVICES
Discount Schedule	I12
GTIN	03606489832889
Package weight(Lbs)	0.24 kg (0.52 lb(US))
Returnability	Yes

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: carbon black and Toluene which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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 product

Contractual warranty

Warranty	18 months
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