

# Product datasheet

Specifications



## Voltage interface module, TeSys island

Local distributor code:  
425225732

TPRVM001

EAN Code: 3606489832889

### 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 conforming to IEC 61010-1
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 61010-1
Overvoltage 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	1 LED (green/red) for DS (device status) 1 LED (green/red) for VS (voltage status)

### 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)

<b>Connections - terminals</b>	Measuring input: removable spring terminal block 3 cable(s) 0.2...2.5 mm <sup>2</sup> (AWG 24...AWG 14) rigid Measuring input: removable spring terminal block 3 cable(s) 0.2...2.5 mm <sup>2</sup> (AWG 24...AWG 14) flexible without cable end Measuring input: removable spring terminal block 3 cable(s) 0.25...2.5 mm <sup>2</sup> (AWG 22...AWG 14) flexible with cable end
<b>Width</b>	25 mm
<b>Height</b>	118 mm
<b>Depth</b>	114 mm
<b>Net weight</b>	0.159 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 Line voltage circuit: fast transients immunity test, level 3, 2 kV, conforming to EN/IEC 61000-4-4 Line voltage circuit: 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>	235.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	16
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.295 kg

## Logistical informations

<b>Country of origin</b>	ID
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# Contractual warranty

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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

6abfba9c-f9d9-4a50-b2bb-a7925a83f0d6

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

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