

Product data sheet

Specifications



Power module, TeSys island, 15A at AC-1, 9A at AC-3, 4kW, 5hp

TPRPM009

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	TeSys
Product name	TeSys island
Device short name	TPRPM
Product or Component Type	Power module
Device presentation	Power module connected to an automation controller through a bus coupler Operational only when connected to a bus coupler
Function Available	Upstream voltage presence detection Electronic thermal overload protection Monitoring of currents Control of third party power devices when associated to TPRDG IO module
Product compatibility	TPRBC bus coupler TPRDG digital IO module TPRAN analog IO module
Poles description	3P
Motor power kW	2.2 kW at 230 V AC 50 Hz 4 kW at 380...415 V AC 50 Hz 4 kW at 440 V AC 50 Hz 5.5 kW at 500 V AC 50 Hz 5.5 kW at 690 V AC 50 Hz
motor power HP (UL / CSA)	0.33 hp at 120 V AC 60 Hz for 1 phase motors 1 hp at 240 V AC 60 Hz for 1 phase motors 2 hp at 208 V AC 60 Hz for 3 phase motors 2 hp at 240 V AC 60 Hz for 3 phase motors 5 hp at 480 V AC 60 Hz for 3 phase motors 7.5 hp at 600 V AC 60 Hz for 3 phase motors
[Ue] rated operational voltage	<= 690 V AC 47...63 Hz
[Ie] rated operational current	9 A (at <122 °F (50 °C)) at <= 440 V AC-3 15 A (at <122 °F (50 °C)) at <= 440 V AC-1 15 A (at <122 °F (50 °C)) AC-3e
[Ith] conventional free air thermal current	15 A (at 122 °F (50 °C))
[Ui] rated insulation voltage	690 V IEC 60947-4-1 600 V UL 60947-4-1 600 V CSA C22.2 No 60947-4-1
[Uimp] rated impulse withstand voltage	6 kV
Overvoltage category	III
Thermal protection adjustment range	0.18...9 A
Thermal overload class	Class 5...30
Reset	Remotely or automatically
[Uc] control circuit voltage	24 V DC supplied by the bus coupler
Current consumption	60 mA

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

Power dissipation in W	0.6 W at Ie AC-3
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Complementary

Protection type	Thermal overload protection Motor overheat Overcurrent Undercurrent Jam Long start Stall Rapid cycle lockout Phase loss Rapid restart lockout Phase reversal Phase unbalance Phase sequence Ground current
Monitoring type	Time device ON Number of faults Number of device power cycles Average current Iavg Average voltage Vavg Max current Imax Max voltage Vmax
Local signalling	1 LED (green/red) for DS (device status) 1 LED (green/red) for LS (load status)
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	CCC CSA EAC UL
Mounting mode	Horizontal and vertical 35 mm symmetrical DIN rail)
Connections - terminals	screw-clamp terminals 1 0.002...0.006 in² (1...4 mm²) AWG 16...AWG 12)rigid screw-clamp terminals 2 0.002...0.006 in² (1...4 mm²) AWG 16...AWG 12)rigid screw-clamp terminals 1 0.002...0.006 in² (1.5...4 mm²) AWG 16...AWG 12)flexible without cable end screw-clamp terminals 2 0.002...0.006 in² (1.5...4 mm²) AWG 16...AWG 12)flexible without cable end screw-clamp terminals 1 0.002...0.006 in² (1...4 mm²) AWG 16...AWG 12)flexible with cable end screw-clamp terminals 2 0.002...0.004 in² (1...2.5 mm²) AWG 16...AWG 14)flexible with cable end
Tightening torque	15.05 lbf.in (1.7 N.m) flat Ø 6 mm 15.05 lbf.in (1.7 N.m) Philips No 2
Width	1.8 in (45 mm)
Height	4.8 in (121 mm)
Depth	4.5 in (115 mm)
Product Weight	0.562 lb(US) (0.255 kg)

Environment

Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Ambient air temperature for operation	14...122 °F (-10...50 °C) without derating 122...140 °F (50...60 °C) with current derating
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 1562 °F (850 °C) IEC 60695-2-1 1202 °F (650 °C) IEC 60695-2-12
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 immunity test, level 3, 8 kV air, 6 kV contact, conforming to EN/IEC 61000-4-2 Radiated RF field immunity test, level 3, 10 V/m, conforming to EN/IEC 61000-4-3 Fast transient immunity test, level 4, 4 kV, conforming to EN/IEC 61000-4-4 Surge immunity test (differential mode), level 3, 2 kV, conforming to EN/IEC 61000-4-5 Surge immunity test (common mode), level 4, 4 kV, conforming to EN/IEC 61000-4-5 Conducted RF disturbance immunity test, 20 V, conforming to EN/IEC 61000-4-6

Ordering and shipping details

Category	US10I1222352
Discount Schedule	0I12
GTIN	3606489832841
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.969 in (5.000 cm)
Package 1 Width	4.921 in (12.500 cm)
Package 1 Length	5.118 in (13.000 cm)
Package weight(Lbs)	10.723 oz (304.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	10.011 lb(US) (4.541 kg)

Contractual warranty

Warranty (in months)	18
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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	Yes
SCIP Number	0bda50ae-711f-4024-bff6-ce0577049f63
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen content performance	Halogen free plastic parts product

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Circularity Profile	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

