

Product data sheet

Specifications



Expansion Module, TeSys Tera, 3 Temperature Inputs for connecting temperature sensors, for Motor Management

LTMTPTC

🕒 Launching in: 30 June 2024

🕒 Coming soon

Main

Range	TeSys
Product name	TeSys Tera
Device short name	LTMT
Product or component type	Extension module
Device application	Equipment monitoring and control
Range compatibility	TeSys TeSys Tera motor controller

Complementary

[Ui] rated insulation voltage	690 V EN/IEC 60947-1 690 V CSA C22.2 No 14 690 V UL 508
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	0.8 kV supply, inputs and outputs EN/IEC 60947-4-1
Protection type	Overload protection Stalled rotor Locked rotor Short-circuit Undercurrent Overcurrent Current unbalance Phase reversal Phase loss Earth fault protection internal Earth fault protection external Excessive starting time Max number of start Undervoltage Overvoltage Voltage unbalance Underfrequency Overfrequency Reacceleration Temperature protection Analog input protection Communication failure Fail to stop Under power Over power Power factor variation Anti-backspin timer Block output DI interlock protection
maximum output switching frequency	2 Hz
maximum operating rate	1800 cyc/h

Contacts type and composition	Without
Measurement accuracy	1 % current 0.3...3 A) 1 % current 2.5...25 A) 3 % current 7...70 A) 3 % current 10...100 A) 1 % voltage 110...690 V) +/- 2.5 % earth fault current external measurement +/- 2.5 % earth fault current external measurement current > 0.03 A in the 0.3...3 A range) +/- 3...5 % earth fault current internal measurement current > 0.03 A in the 0.3...3 A range) +/- 30 min/year internal clock current > 0.25 A in the 2.5...25 A range) +/- 3...5 % earth fault current internal measurement current > 0.25 A in the 2.5...25 A range) +/- 3...5 % earth fault current internal measurement current > 0.7 A in the 7...70 A range) +/- 3...5 % earth fault current internal measurement current > 1 A in the 10...100 A range) +/- 2 % temperature +/- 2 % THD measurement +/- 2...5 % active and reactive energy +/- 3...6 % power factor
Mounting mode	Flush-mounted
Connection pitch	0.2 in (5.0 mm)
Connections - terminals	Control circuit connector 1 0.0004...0.004 in ² (0.25...2.5 mm ²) AWG 24...AWG 14)flexible with cable end Control circuit connector 1 0.0003...0.004 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0004...0.004 in ² (0.25...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0003...0.004 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)solid without cable end Control circuit connector 2 0.0003...0.002 in ² (0.2...1 mm ²) AWG 24...AWG 14)flexible with cable end Control circuit connector 2 0.0003...0.002 in ² (0.2...1.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0008...0.002 in ² (0.5...1.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0003...0.002 in ² (0.2...1 mm ²) AWG 24...AWG 14)solid without cable end
Electromagnetic compatibility	Electrostatic discharge, level 3, 8 kV air, 4 kV contact Fast transient bursts, level 3, 2 kV Immunity to electromagnetic interference, level 3, 10 V/m Immunity to shock waves, level 3, 2 kV
Depth	3.5 in (90 mm)
Height	4.4 in (112 mm)
Width	0.9 in (22.5 mm)
Tightening torque	Control circuit: 4.4...5.3 lbf.in (0.5...0.6 N.m) flat screwdriver 0.1 in (3 mm)
Tightening torque	Control circuit 4.4 lbf.in (0.5 N.m) flat 0.1 in (3 mm)
Environment	
Product certifications	IEC UL cUL
IP degree of protection	IP20
Standards	EN/IEC 60947-4-1 UL/CSA 60947-4-1
Fire resistance	1202 °F (650 °C) EN/IEC 60695-2-12 1760 °F (960 °C) UL 94
Protective treatment	12 x 24 hour cycles EN/IEC 60068-2-30
Ambient air temperature for storage	-40...176 °F (-40...80 °C)

Operating altitude	<= 2000 m without derating
Mechanical robustness	Shocks half sine wave acceleration 15 Gn for 11 ms EN/IEC 60068-2-27 Vibrations mounted on symmetrical rail 1 Gn, 5...300 Hz EN/IEC 60068-2-6 Vibrations plate mounted 4 Gn, 5...300 Hz EN/IEC 60068-2-6
Ambient air temperature for operation	-4...158 °F (-20...70 °C)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.2 in (5.7 cm)
Package 1 Width	3.9 in (10 cm)
Package 1 Length	4.3 in (11 cm)
Package 1 Weight	6.6 oz (188 g)
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	5.9 in (15 cm)
Package 2 Width	5.9 in (15 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	5.946 lb(US) (2.697 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	576
Package 3 Height	413.4 in (1050 cm)
Package 3 Width	30.3 in (77 cm)
Package 3 Length	38.2 in (97 cm)
Package 3 Weight	265.190 lb(US) (120.288 kg)

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	13 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	6 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	B094adb3-6376-4325-b953-b1316706b822
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
PVC free	Yes
Silicon free	Yes

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	2
Circularity Profile	End of Life Information
Take-back	Nej
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

