

Product data sheet

Specifications



Electronic motor relay expansion, TeSys Tera, Analog

LTMTAN21

Product availability: Stock - Normally stocked in distribution facility

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

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

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 in² (0.25...2.5 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 1 0.0003...0.004 in² (0.2...2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0004...0.004 in² (0.25...2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0003...0.004 in² (0.2...2.5 mm²) AWG 24...AWG 14)solid without cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0008...0.002 in² (0.5...1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1 mm²) AWG 24...AWG 14)solid without cable end
Input type	Analog x2
Output type	1 x analog
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	<= 6561.68 ft (2000 m) without derating
Mechanical robustness	Shocks half sine wave acceleration15 Gn for 11 ms EN/IEC 60068-2-27 Vibrations mounted on symmetrical rail1 Gn, 5...300 Hz EN/IEC 60068-2-6 Vibrations plate mounted4 Gn, 5...300 Hz EN/IEC 60068-2-6
Ambient air temperature for operation	-4...158 °F (-20...70 °C)

Ordering and shipping details

Category	US10I1222335
Discount Schedule	0I12
GTIN	3606482185067
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.300 in (3.302 cm)
Package 1 Width	3.900 in (9.906 cm)
Package 1 Length	5.000 in (12.700 cm)
Package weight(Lbs)	4.640 oz (131.542 g)

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	11 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	5 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]	0.2 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
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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	No

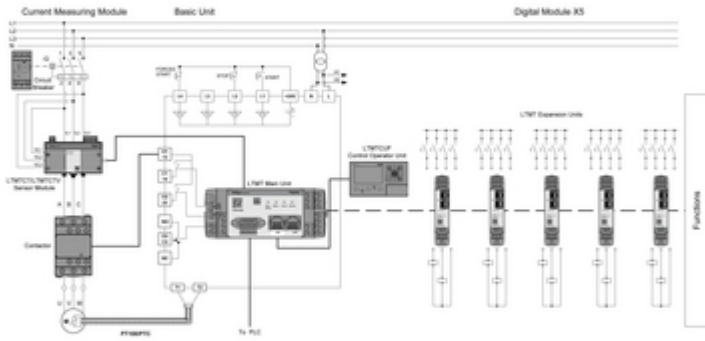
WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Technical Illustration

Wiring diagram



Technical Illustration

Assembly's dimensions

