

Product data sheet

Specifications



Electronic motor relay sensor, TeSys Tera, CTVT, Horizontal 2.5 to 25A US

LTMTCTV25UT

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Product name	TeSys Tera
Device short name	LTMT
Product or Component Type	Sensor
Device Application	Motor protection

Complementary

[Ui] rated insulation voltage	690 V EN/IEC 60947-1
Overvoltage category	III
Pollution degree	3
Line Rated Current	2.5...25 A at 60...690 V, AC 45...65 Hz
[Uimp] rated impulse withstand voltage	6 kV current or voltage measurement circuit
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 Communication failure Fail to stop Under power Over power Power factor variation Anti-backspin timer Block output
Short-circuit withstand	100 kA conforming to EN/IEC 60947-4-1
Measurement accuracy	+/- 1 % voltage +/- 1 % current
Mounting Mode	Horizontal
Connection pitch	0.2 in (5.0 mm)
Connections - terminals	Voltage circuit connector 0.0003...0.004 in ² (0.2...2.5 mm ²) AWG 12...AWG 24)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Input type	Analog
Sensor Type	Current sensor Voltage sensor
Electromagnetic compatibility	Immunity to radiated electromagnetic interference (in open air), level 3, 10 Vrms, conforming to EN/IEC 61000-4-3 Resistance to electrostatic discharge (in open air), level 3, 8 kV, conforming to EN/IEC 61000-4-2 Digital output: resistance to electrostatic discharge (on contact), level 3, 6 kV, conforming to EN/IEC 61000-4-2 Digital output: immunity to shock waves (common mode), 4 kV, conforming to EN/IEC 61000-4-5 24 V DC sensors: immunity to shock waves (common mode), 1 kV, conforming to EN/IEC 61000-4-5 100...240 V inputs: immunity to shock waves (common mode), 2 kV, conforming to EN/IEC 61000-4-5 Communication: immunity to shock waves (common mode), 2 kV, conforming to EN/IEC 61000-4-5 Temperature sensor: immunity to shock waves (common mode), 1 kV, conforming to EN/IEC 61000-4-5 Digital output: immunity to shock waves (serial mode), 2 kV, conforming to EN/IEC 61000-4-5 24 V DC sensors: immunity to shock waves (serial mode), level 3, 1 kV, conforming to EN/IEC 61000-4-5 100...240 V inputs: immunity to shock waves (serial mode), 1 kV, conforming to EN/IEC 61000-4-5 Temperature sensor: immunity to shock waves (serial mode), 0.5 kV, conforming to EN/IEC 61000-4-5 Immunity to radiated radio-electrical interference, level 3, 10 Vrms, conforming to EN/IEC 61000-4-6
Depth	2.4 in (60.5 mm)
Height	2.5 in (63.9 mm)
Width	5.1 in (129.8 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
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 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)

Ordering and shipping details

Category	US101222335
Discount Schedule	0112
GTIN	3606486392652
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.6 in (6.5 cm)
Package 1 Width	3.0 in (7.5 cm)
Package 1 Length	5.5 in (14 cm)
Package weight(Lbs)	7.5 oz (213 g)
Unit Type of Package 2	S01
Number of Units in Package 2	2
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	30.6 oz (867 g)
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	413.4 in (1050 cm)
Package 3 Width	37.008 in (94 cm)
Package 3 Length	44.9 in (114 cm)
Package 3 Weight	71.536 lb(US) (32.448 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



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	16 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
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]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	10 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	91deacc6-c4f3-4ba8-a61d-c6cf885fa9eb
REACH Regulation	REACH Declaration
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
--------	----

Use Again

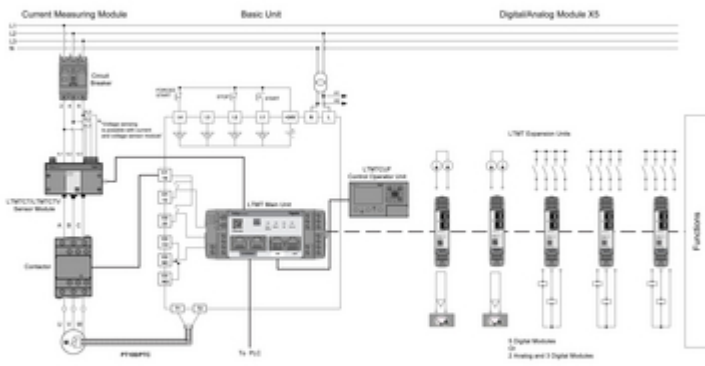


Repack and remanufacture

Recyclability potential, in %	10
Circularity Profile	End of Life Information
Take-back	No

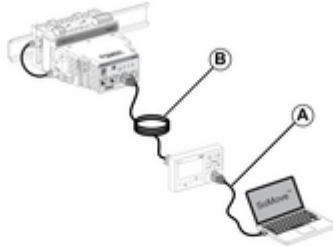
Technical Illustration

Wiring diagram



Technical Illustration

User interface / product ON



A. USB to RS485 Interface Cable
B. HMI Cable



Technical Illustration

Assembly's dimensions

mm
[in]

