Product data sheet

Specifications

Sensor Module, TeSys Tera, CTVT, 0.3 to 3A, 690V, 45mm wide, for Motor Management

LTMTCTV3L

Launching in: 13 April 2026

Coming soon

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 conforming to EN/IEC 60947-1 690 V conforming to UL 508
Overvoltage category	III
Pollution degree	3
[In] rated current	0.3…3 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	Vertical
Connection pitch	5.0 mm

Connections - terminals	Voltage circuit: connector0.2…2.5 mm² (AWG 28...AWG 12)
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	59.8 mm
Height	126.23 mm
Width	45.2 mm
Tightening torque	Control circuit: 0.5…0.6 N.m flat screwdriver 3 mm
Tightening torque	Control circuit: 0.5 N.m - with screwdriver flat 3 mm

Environment

Product certifications	IEC UL cUL
Standards	EN/IEC 60947-4-1 UL/CSA 60947-4-1
Fire resistance	650 °C conforming to EN/IEC 60695-2-12 960 °C conforming to UL 94
Protective treatment	12 x 24 hour cycles conforming to EN/IEC 60068-2-30
Ambient air temperature for storage	-40…80 °C
Operating altitude	<= 2000 m without derating
Mechanical robustness	Shocks half sine wave acceleration: 15 Gn for 11 ms conforming to EN/IEC 60068-2-27 Vibrations mounted on symmetrical rail: 1 Gn, 5...300 Hz conforming to EN/IEC 60068-2-6 Vibrations plate mounted: 4 Gn, 5...300 Hz conforming to EN/IEC 60068-2-6
Ambient air temperature for operation	-20…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.5 cm

Package 1 Width	7.5 cm
Package 1 Length	14 cm
Package 1 Weight	213 g
Unit Type of Package 2	S01
Number of Units in Package 2	2
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	867 g
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	1050 cm
Package 3 Width	81 cm
Package 3 Length	101 cm
Package 3 Weight	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	**17 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]	**0.2 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.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**19513c74-ff2c-46a1-b26d-ced86e9921d7**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**
Silicone-free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**2**
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