Product datasheet

Specifications



motor controller LTMR TeSys T - 24 V DC 8 A for Modbus

Local distributor code:

389823209 LTMR08MBD

Discontinued on: 9 Jul 2026

EAN Code: 3389119404624

Discontinued

Main

Range	TeSys
Product name	TeSys T
Device short name	LTMR
Product or component type	Motor controller
Device application	Equipment monitoring and control
Measurement current	0.4…8 A
[Us] rated supply voltage	24 V DC
Current consumption	56...127 mA
Supply voltage limits	20.4…26.24 V DC
Communication port protocol	Modbus
Bus type	Modbus 2-wire RS 485 interface, addressing 1...247, transmission rate 1.2...19.2 kbit/s, RJ45 with 2 shielded twisted pairs Modbus 2-wire RS 485 interface, addressing 1...247, transmission rate 1.2...19.2 kbit/s, terminal block with 2 shielded twisted pairs

Complementary

[Ui] rated insulation voltage	690 V conforming to EN/IEC 60947-1 690 V conforming to CSA C22.2 No 14 690 V conforming to UL 508
[Uimp] rated impulse withstand voltage	6 kV current or voltage measurement circuit conforming to EN/IEC 60947-4-1 0.8 kV communication circuit conforming to EN/IEC 60947-4-1 0.8 kV supply, inputs and outputs conforming to EN/IEC 60947-4-1
Short-circuit withstand	100 kA conforming to EN/IEC 60947-4-1
Associated fuse rating	4 A gG for output 0.5 A gG for control circuit
Protection type	Phase unbalance Locked rotor Power factor variation Load fluctuation Overload Overload (long time) Phase failure Thermal protection Thermal overload protection Earth-leakage protection Reverse polarity protection

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

Network and machine diagnosis type	Running hours counter/operating time Trip history information Phase fault and earth fault trip counters Fault recording Waiting time after overload tripping Remaining operating time before overload tripping Trip context information Starting current and time Event recording Motor control command recording
Logic input number	6
Input current	7 mA
Current state 0 guaranteed	Logic input: < 5 V and <= 15 mA for 5 ms
Current state 1 guaranteed	Logic input: < 15 V and 2...15 mA for 15 ms
maximum output switching frequency	2 Hz
Load current	5 A at 250 V AC for logic output 5 A at 30 V DC for logic output
Permissible power	480 VA (AC-15), Ie = 2 A, 500000 cycles (output) 30 W (DC-13), Ie = 1.25 A, 500000 cycles (output)
maximum operating rate	1800 cyc/h
Contacts type and composition	1 NO + 1 NC fault signal 3 NO
Metering type	Average current Iavg Earth-fault current Phase current I1, I2, I3 RMS Imbalance current Temperature
Measurement accuracy	5...15 % earth fault current internal measurement 1 % voltage (100...830 V) 3 % power factor 5 % earth fault current external measurement +/- 30 min/year internal clock 0,02 temperature 1 % current 5 % active and reactive power
Overvoltage category	III
Connection pitch	5.08 mm
Connections - terminals	Control circuit: connector 1 cable(s) 0.25…2.5 mm² (24 AWG...14 AWG) flexible with cable end Control circuit: connector 1 cable(s) 0.2…2.5 mm² (24 AWG...14 AWG) flexible without cable end Control circuit: connector 1 cable(s) 0.25…2.5 mm² (24 AWG...14 AWG) flexible without cable end Control circuit: connector 1 cable(s) 0.2…2.5 mm² (24 AWG...14 AWG) solid without cable end Control circuit: connector 2 cable(s) 0.2…1 mm² (24 AWG...14 AWG) flexible with cable end Control circuit: connector 2 cable(s) 0.2…1.5 mm² (24 AWG...14 AWG) flexible without cable end Control circuit: connector 2 cable(s) 0.5…1.5 mm² (24 AWG...14 AWG) flexible without cable end Control circuit: connector 2 cable(s) 0.2…1 mm² (24 AWG...14 AWG) solid without cable end
Tightening torque	Control circuit: 0.5…0.6 N.m flat screwdriver 3 mm
Pollution degree	3

Electromagnetic compatibility	Electrostatic discharge, 3, 8 kV air, 6 kV contact, conforming to EN/IEC 61000-4-2 Radiated RF fields, 3, 10 V/m, conforming to EN/IEC 61000-4-3 Fast transients immunity test (other circuits), level 3, 2 kV, conforming to EN/IEC 61000-4-4 Fast transients immunity test (on supply and relay outputs), level 4, 4 kV, conforming to EN/IEC 61000-4-4 Voltage dips and interruptions immunity test, 70 %, 500 ms, conforming to EN/IEC 61000-4-11 Conducted RF disturbances, 10 V, conforming to EN/IEC 61000-4-6 Temperature sensor: surges (serial mode), 0.5 kV, conforming to EN/IEC 61000-4-5 Temperature sensor: surges (common mode), 1 kV, conforming to EN/IEC 61000-4-5 Control circuit: surges (serial mode), 1 kV, conforming to EN/IEC 61000-4-5 Control circuit: surges (common mode), 1 kV, conforming to EN/IEC 61000-4-5 Communication: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5 Relay outputs and supply: surges (serial mode), 2 kV, conforming to EN/IEC 61000-4-5 Relay outputs and supply: surges (common mode), 4 kV, conforming to EN/IEC 61000-4-5
Width	91 mm
Height	61 mm
Depth	122.5 mm
Net weight	0.53 kg
Web services	Web server
Compatibility code	LTMR

Environment

Standards	IACS E10 EN 60947-4-1 UL 508 CSA C22.2 No 14 IEC 60947-4-1
Product certifications	DNV EAC ABS BV CSA UL RINA RMRoS CCC GL KERI LROS (Lloyds register of shipping) NOM ATEX C-Tick
Protective treatment	12 x 24 hour cycles conforming to EN/IEC 60068-2-30 48 h conforming to EN/IEC 60070-2-11 TH conforming to EN/IEC 60068
Fire resistance	650 °C conforming to EN/IEC 60695-2-12 960 °C conforming to UL 94
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-40…80 °C
Operating altitude	<= 2000 m without derating
Mechanical robustness	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 Shocks half sine wave acceleration: 15 Gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP20

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	10.0 cm
Package 1 Length	13.6 cm
Package 1 Weight	515.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.507 kg

Logistical informations

Country of origin	CN

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	**24 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**18 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 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]	**5 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 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	**Fc01c523-9a07-4dfa-988f-c721d4816782**
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**

Use Again

Repack and remanufacture

Recyclability potential, in %	**1**
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**