

LTMR08EBD

Motor Management, TeSys T, motor controller, Ethernet/IP, Modbus/TCP, 6 logic inputs, 3 logic outputs, 0.4 to 8A, 24 VDC



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 TCP/EtherNet/IP
Bus type	Ethernet IEEE 802.3 0...159 10...100 Mbit/s, RJ45 2 shielded twisted pairs

Complementary

[Ui] rated insulation voltage	690 V EN/IEC 60947-1 690 V CSA C22.2 No 14 690 V UL 508
[Uimp] rated impulse withstand voltage	6 KV current or voltage measurement circuit EN/IEC 60947-4-1 0.8 KV communication circuit EN/IEC 60947-4-1 0.8 kV supply, inputs and outputs EN/IEC 60947-4-1
Short-circuit withstand	100 kA EN/IEC 60947-4-1
Associated fuse rating	4 A gG output 0.5 A gG control circuit
Protection Type	Phase failure Locked rotor Earth-leakage protection Thermal protection Overload Phase unbalance Reverse polarity protection Power factor variation Overload (long time) Thermal overload protection Load fluctuation
Network and machine diagnosis type	Event recording Remaining operating time before overload tripping Trip context information Waiting time after overload tripping Running hours counter/operating time Trip history information Fault recording Starting current and time Phase fault and earth fault trip counters Motor control command recording
Logic input number	6
Input current	7 mA
Current state 0 guaranteed	Logic input < 5 V <= 15 mA 5 ms
Current state 1 guaranteed	Logic input < 15 V 2...15 mA 15 ms
Maximum output switching frequency	2 Hz
Load current	5 A 250 V AC logic output 5 A 30 V DC logic output

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Permissible power	480 VA AC-15), I _e = 2 A, 500000 cycles output) 30 W DC-13), I _e = 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 I _{avg} Temperature Earth-fault current Phase current I ₁ , I ₂ , I ₃ RMS Imbalance current
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	0.20 in (5.08 mm)
Connections - terminals	Control circuit connector 1 0.00...0.00 in ² (0.25...2.5 mm ²) AWG 24...AWG 14)flexible with cable end Control circuit connector 1 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.00...0.00 in ² (0.25...2.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.00...0.00 in ² (0.2...2.5 mm ²) AWG 24...AWG 14)solid without cable end Control circuit connector 2 0.00...0.00 in ² (0.2...1 mm ²) AWG 24...AWG 14)flexible with cable end Control circuit connector 2 0.00...0.00 in ² (0.2...1.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.00...0.00 in ² (0.5...1.5 mm ²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.00...0.00 in ² (0.2...1 mm ²) AWG 24...AWG 14)solid without cable end
Tightening torque	Control circuit 4.43...5.31 lbf.in (0.5...0.6 N.m) flat 0.12 in (3 mm)
Pollution degree	3
Electromagnetic compatibility	Electrostatic discharge, 3 8 kV air, 6 kV contact)EN/IEC 61000-4-2) Radiated RF fields, 3 10 V/m)EN/IEC 61000-4-3) Fast transients immunity test, level 3 2 kV)EN/IEC 61000-4-4) Fast transients immunity test, level 4 4 kV)EN/IEC 61000-4-4) Voltage dips and interruptions immunity test 70 %, 500 ms)EN/IEC 61000-4-11) Conducted RF disturbances 10 V)EN/IEC 61000-4-6) Surges 0.5 kV)EN/IEC 61000-4-5) Surges 1 kV)EN/IEC 61000-4-5) Surges 1 kV)EN/IEC 61000-4-5) Surges 1 kV)EN/IEC 61000-4-5) Surges 2 kV)EN/IEC 61000-4-5) Surges 2 kV)EN/IEC 61000-4-5) Surges 4 kV)EN/IEC 61000-4-5)
Width	3.58 in (91 mm)
Height	2.40 in (61 mm)
Depth	4.82 in (122.5 mm)
Net Weight	1.17 lb(US) (0.53 kg)
Web services	Web server
Compatibility code	LTMR

Environment

Standards	IACS E10 UL 508 CSA C22.2 No 14 EN 60947-4-1 IEC 60947-4-1
Product Certifications	CCC ABS C-tick NOM CSA RMRoS RINA UL BV KERI DNV GL EAC LROS (Lloyds register of shipping) ATEX
Protective treatment	12 x 24 hour cycles EN/IEC 60068-2-30 48 h EN/IEC 60070-2-11 TH EN/IEC 60068
Fire resistance	1202 °F (650 °C) EN/IEC 60695-2-12 1760 °F (960 °C) UL 94
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Operating altitude	<= 6561.68 ft (2000 m) without derating
Mechanical robustness	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 Shocks half sine wave acceleration15 Gn for 11 ms EN/IEC 60068-2-27
IP Degree of Protection	IP20

Ordering and shipping details

Category	22338-SOLID STATE OVERLOAD RELAYS
Discount Schedule	I12
GTIN	3389119404860
Nbr. of units in pkg.	1
Package weight(Lbs)	18.31 oz (519.0 g)
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.80 in (7.1 cm)
Package 1 width	3.94 in (10 cm)
Package 1 Length	5.31 in (13.5 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Weight	12.15 lb(US) (5.512 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months
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