

LTMEV40FM

Motor Management, TeSys T, motor controller, extension module, 4 inputs, for LTMR controller, 100 to 240 VAC



Main

Range	TeSys
Product name	TeSys T
Device short name	LTME
Product or component type	Extension module
Device application	Equipment monitoring and control
Range compatibility	TeSys T LTMR motor controller
Supply	Via the controller

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	4 kV supply, inputs and outputs EN/IEC 60947-4-1 6 kV current or voltage measurement circuit EN/IEC 60947-4-1
Logic input number	4
Input current	3.1 mA 100 V 7.5 mA 240 V
Current state 0 guaranteed	Logic input 0...40 V 2...15 mA 25 ms
Current state 1 guaranteed	Logic input 79...264 V ≤ 15 mA 25 ms
Maximum output switching frequency	2 Hz
Maximum operating rate	1800 cyc/h
Contacts type and composition	Without
Metering type	Imbalance voltage Active power P, P1, P2, P3 Calculated active and reactive energy (+/- W.h, +/- VAR.h) Voltage U21, U32, U13, V1, V2, V3 Reactive power Q, Q1, Q2, Q3 Frequency Power factor
Measurement accuracy	1 % voltage 100...830 V) 3 % power factor 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) 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) Conducted RF disturbances 10 V)EN/IEC 61000-4-6) 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) Surges 2 kV)EN/IEC 61000-4-5)
Maximum Width	1.77 in (45 mm)
Height	2.40 in (61 mm)
Depth	4.75 in (120.7 mm)
Net Weight	0.46 lb(US) (0.21 kg)
Compatibility code	LTME

Environment

Standards	CSA C22.2 No 14 IACS E10 IEC 60947-4-1 UL 508 EN 60947-4-1
Product certifications	LROS (Lloyds register of shipping) ATEX NOM EAC RMRoS GL UL DNV BV RINA KERI C-tick CSA CCC ABS
IP degree of protection	IP20
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	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

Ordering and shipping details

Category	22338 - SOLID STATE OVERLOAD RELAYS
Discount Schedule	I12
GTIN	00785901502401
Nbr. of units in pkg.	1
Package weight(Lbs)	0.45 lb(US) (0.20 kg)
Returnability	Yes
Country of origin	CN

Packing Units

Package 1 Height	0.700 dm
Package 1 width	0.560 dm
Package 1 Length	1.350 dm

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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