

Product data sheet

Specifications



Monitoring and control extension module, TeSys T, 4 inputs, 100 to 240VAC, for LTMR controller

LTMEV40FM

Product availability: Stock - Normally stocked in distribution facility

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 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)

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

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

Connections - terminals	Control circuit connector 1 0.0004...0.004 in² (0.25...2.5 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 1 0.0003...0.004 in² (0.2...2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0004...0.004 in² (0.25...2.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 1 0.0003...0.004 in² (0.2...2.5 mm²) AWG 24...AWG 14)solid without cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1 mm²) AWG 24...AWG 14)flexible with cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0008...0.002 in² (0.5...1.5 mm²) AWG 24...AWG 14)flexible without cable end Control circuit connector 2 0.0003...0.002 in² (0.2...1 mm²) AWG 24...AWG 14)solid without cable end
Tightening torque	Control circuit: 4.4...5.3 lbf.in (0.5...0.6 N.m) flat screwdriver 0.1 in (3 mm)
Pollution degree	3
Electromagnetic compatibility	Electrostatic discharge, 3, 8 kV air, 6 kV contact, conforming to EN/IEC 61000-4-2 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 Conducted RF disturbances, 10 V, conforming to EN/IEC 61000-4-6 Control circuit: surges (serial mode), 1 kV, conforming to EN/IEC 61000-4-5 Communication: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5 Voltage inputs: surges (serial mode), 2 kV, conforming to EN/IEC 61000-4-5 Voltage inputs: surges (common mode), 4 kV, conforming to EN/IEC 61000-4-5 Control circuit: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5
Width	1.8 in (45 mm)
Height	2.4 in (61 mm)
Depth	4.8 in (120.7 mm)
Product 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	US10I1222338
Discount Schedule	0I12
GTIN	3389119404938
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	2.83 in (7.200 cm)
Package 1 Length	5.35 in (13.600 cm)
Package weight(Lbs)	7.125 oz (202.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	9.667 lb(US) (4.385 kg)

Contractual warranty

Warranty	18 months
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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	
Environmental Disclosure	Product Environmental Profile

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	Fc01c523-9a07-4dfa-988f-c721d4816782
Halogen content performance	Halogen free plastic parts product
PVC free	Yes

Use Again

Repack and remanufacture	
Circularity Profile	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.