



Motor Management, TeSys T, motor controller, DeviceNet, 6 inputs, 3 relay outputs, 1.35 to 27A, 100 to 240 VAC

LTMR27DFM

Product availability: Stock - Normally stocked in distribution facility

Price\*: 750.00 USD

#### 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	1.3527 A	
[Us] rated supply voltage	100240 V AC 50/60 Hz	
Current Consumption	862.8 mA	
Supply voltage limits	93.5264 V AC	
Communication Port Protocol	DeviceNet	
Bus type	DeviceNet ISO 1198 164 125500 kbit/s, terminal block 4 twisted shielded pairs cable	

### Complementary

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[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 0.8 kV communication circuit EN/IEC 60947-4-1
Short-circuit withstand	100 kA conforming to EN/IEC 60947-4-1
Associated fuse rating	4 A gG output 0.5 A gG control circuit
Protection Type	Thermal overload protection Power factor variation Phase failure Overload (long time) Reverse polarity protection Earth-leakage protection Thermal protection Locked rotor Load fluctuation Overload Phase unbalance

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

Network and machine diagnosis type	Trip history information Trip context information Running hours counter/operating time Remaining operating time before overload tripping Fault recording Waiting time after overload tripping Starting current and time Phase fault and earth fault trip counters Event recording Motor control command recording
Logic input number	6
Input current	3.1 mA 100 V 7.5 mA 240 V
Current state 0 guaranteed	Logic input 040 V <= 15 mA 25 ms
Current state 1 guaranteed	Logic input 79264 V >= 2 mA 25 ms
maximum output switching frequency	2 Hz
Load current	5 A 250 V AC logic output 5 A 30 V DC logic output
Permissible power	480 VA AC-15), le = 2 A, 500000 cycles output) 30 W DC-13), le = 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	Imbalance current Temperature Earth-fault current Average current lavg Phase current I1, I2, I3 RMS
Measurement accuracy	515 % earth fault current internal measurement 1 % voltage 100830 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 0.00040.004 in² (0.252.5 mm²) AWG 24AWG 14)flexible with cable end Control circuit connector 1 0.00030.004 in² (0.22.5 mm²) AWG 24AWG 14)flexible without cable end Control circuit connector 1 0.00040.004 in² (0.252.5 mm²) AWG 24AWG 14)flexible without cable end Control circuit connector 1 0.00030.004 in² (0.22.5 mm²) AWG 24AWG 14)solid without cable end Control circuit connector 2 0.00030.002 in² (0.21 mm²) AWG 24AWG 14)flexible with cable end Control circuit connector 2 0.00030.002 in² (0.21.5 mm²) AWG 24AWG 14)flexible without cable end Control circuit connector 2 0.00080.002 in² (0.51.5 mm²) AWG 24AWG 14)flexible without cable end Control circuit connector 2 0.00080.002 in² (0.51.5 mm²) AWG 24AWG 14)flexible without cable end Control circuit connector 2 0.00030.002 in² (0.21 mm²) AWG 24AWG 14)solid without cable end
Tightening torque	Control circuit 4.45.3 lbf.in (0.50.6 N.m) flat 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
	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
	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 Control circuit: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5
Width	3.6 in (91 mm)
Height	2.4 in (61 mm)
Depth	4.8 in (122.5 mm)
Net Weight	1.17 lb(US) (0.53 kg)
Web services	Web server
Compatibility code	LTMR
Environment	
Standards	EN 60947-4-1
	IACS E10
	UL 508 CSA C22.2 No 14
	IEC 60947-4-1
Product Certifications	LROS (Lloyds register of shipping)
	NOM GL
	GL C-tick
	ATEX
	KERI
	DNV
	BV
	RINA
	UL RMRoS
	EAC
	CCC
	CSA
	ABS
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	-4140 °F (-2060 °C)
Ambient Air Temperature for Storage	-40176 °F (-4080 °C)
Operating altitude	<= 6561.68 ft (2000 m) without derating
Mechanical robustness	Vibrations mounted on symmetrical rail1 Gn, 5300 Hz EN/IEC 60068-2-6
	Vibrations plate mounted Gn, 5300 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
g	11 20

# Ordering and shipping details

Category US10I1222338

Discount Schedule	0112	
GTIN	3389119404778	
Returnability	No	
Country of origin	US	

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.9 in (7.4 cm)
Package 1 Width	3.9 in (10 cm)
Package 1 Length	5.4 in (13.6 cm)
Package 1 Weight	18.3 oz (520 g)
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	12.163 lb(US) (5.517 kg)

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>Ø</b>	Mercury Free	
<b>Ø</b>	Rohs Exemption Information	Yes
<b>Ø</b>	Halogen Free Plastic Parts Product	
<b>⊘</b>	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information