# **Product data sheet**

Specifications





Motor controller, TeSys T, Motor Management, Profibus DP, 6 logic inputs, 3 relay logic outputs, 1.35 to 27A, 24VDC

LTMR27PBD

① To be discontinued

! To be discontinued on: Jul 31, 2025

Product availability: Non-Stock - Not 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	24 V DC
Current Consumption	56127 mA
Supply Voltage Limits	20.426.24 V DC
Communication Port Protocol	Profibus DP
Bus Type	Profibus DP polarised 2-wire RS485 1125 9.6 kbit/s12 Mbit/s, SUB-D 9 2 shielded twisted pairs, type A Profibus DP polarised 2-wire RS485 1125 9.6 kbit/s12 Mbit/s, terminal block 2 shielded twisted pairs, type A

#### 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 conforming to EN/IEC 60947-4-1
Associated Fuse Rating	4 A gG output 0.5 A gG control circuit
Protection Type	Overload Thermal protection Power factor variation Overload (long time) Phase failure Load fluctuation Phase unbalance Locked rotor Earth-leakage protection Thermal overload protection Reverse polarity protection

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

Tightening Torque	Control circuit 4.435.31 lbf.in (0.50.6 N.m) flat 0.12 in (3 mm)
Tightoning Torque	without cable end
	without cable end Control circuit connector 2 0.000.00 in² (0.21 mm²) AWG 24AWG 14)solid
	Control circuit connector 2 0.000.00 in² (0.51.5 mm²) AWG 24AWG 14)flexible
	Control circuit connector 2 0.000.00 in² (0.21.5 mm²) AWG 24AWG 14)flexible without cable end
	Control circuit connector 2 0.000.00 in <sup>2</sup> (0.21 mm <sup>2</sup> ) AWG 24AWG 14)flexible with cable end
	without cable end
	14)flexible without cable end Control circuit connector 1 0.000.00 in² (0.22.5 mm²) AWG 24AWG 14)solid
	Control circuit connector 1 0.000.00 in² (0.252.5 mm²) AWG 24AWG
	Control circuit connector 1 0.000.00 in² (0.22.5 mm²) AWG 24AWG 14)flexible without cable end
2530dono Torminais	14)flexible with cable end
Connections - Terminals	Control circuit connector 1 0.000.00 in² (0.252.5 mm²) AWG 24AWG
Connection Pitch	0.20 in (5.08 mm)
Overvoltage Category	III
	1 % current 5 % active and reactive power
	0,02 Temperature
	5 % earth fault current external measurement +/- 30 min/year internal clock
	3 % power factor
Measurement Accuracy	515 % earth fault current internal measurement 1 % voltage 100830 V)
	Earth-fault current
	Phase current I1, I2, I3 RMS
	Temperature Imbalance current
Metering Type	Average current lavg
	3 NO
Contacts Type And Composition	1 NO + 1 NC fault signal
laximum Operating Rate	1800 cyc/h
Permissible Power	480 VA AC-15), le = 2 A, 500000 cycles output) 30 W DC-13), le = 1.25 A, 500000 cycles output)
	5 A 30 V DC logic output
Load Current	5 A 250 V AC logic output
Maximum Output Switching Frequency	2 Hz
Current State 1 Guaranteed	Logic input < 15 V 215 mA 15 ms
Current State 0 Guaranteed	Logic input < 5 V <= 15 mA 5 ms
Input Current	7 mA
Logic Input Number	6
	Waiting time after overload tripping
	Phase fault and earth fault trip counters  Event recording
	Trip history information
	Running hours counter/operating time Trip context information
	Remaining operating time before overload tripping  Motor control command recording
	Fault recording

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	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	UL 508 IACS E10 EN 60947-4-1 IEC 60947-4-1 CSA C22.2 No 14
Product Certifications	C-tick
	CCC ABS
	NOM LROS (Lloyds register of shipping)
	EAC
	RINA
	ATEX GL
	KERI DNV
	UL UL
	CSA
	RMRoS BV
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 mounted4 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

## Ordering and shipping details

Category US10I1222338

Discount Schedule	0112
Gtin	3389119404822
Returnability	No
Country Of Origin	KR

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.83 in (7.2 cm)
Package 1 Width	3.94 in (10.0 cm)
Package 1 Length	5.35 in (13.6 cm)
Package 1 Weight	18.13 oz (514.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	10
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	12.09 lb(US) (5.485 kg)

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

	Mercury Free
<b>②</b>	Rohs Exemption Information Yes
<b>⊘</b>	Pvc Free
<b>⊘</b>	Halogen Free Plastic Parts Product

### **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