Product data sheet

Specification





Motor controller, TeSys T, Motor Management, DeviceNet, 6 logic inputs, 3 relay logic outputs, 5 to 100A, 24VDC

LTMR100DBD

① To be discontinued

! To be discontinued on: Jul 31, 2025

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 850.00 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	5100 A	
[Us] rated supply voltage	24 V DC	
Current Consumption	56127 mA	
Supply voltage limits	20.426.24 V DC	
Communication Port Protocol	DeviceNet	
Bus type	DeviceNet ISO 1198 164 125500 kbit/s, terminal block 4 twisted shielded pairs cable	

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	Earth-leakage protection Overload Reverse polarity protection Thermal protection Overload (long time) Load fluctuation Phase failure Thermal overload protection Power factor variation Locked rotor Phase unbalance

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 4.45.3 lbf.in (0.50.6 N.m) flat 0.1 in (3 mm)
	Control circuit connector 2 0.00030.002 in² (0.21 mm²) AWG 24AWG 14)solid without cable end
	Control circuit connector 2 0.00080.002 in² (0.51.5 mm²) AWG 24AWG 14)flexible without cable end
	14)flexible without cable end
	14)flexible with cable end Control circuit connector 2 0.00030.002 in² (0.21.5 mm²) AWG 24AWG
	Control circuit connector 2 0.00030.002 in² (0.21 mm²) AWG 24AWG
	Control circuit connector 1 0.00030.004 in² (0.22.5 mm²) AWG 24AWG 14)solid without cable end
	14)flexible without cable end
	14)flexible without cable end Control circuit connector 1 0.00040.004 in² (0.252.5 mm²) AWG 24AWG
	Control circuit connector 1 0.00030.004 in² (0.22.5 mm²) AWG 24AWG
	14)flexible with cable end
Connections - terminals	Control circuit connector 1 0.00040.004 in² (0.252.5 mm²) AWG 24AWG
Connection pitch	0.20 in (5.08 mm)
Overvoltage category	III
	5 % active and reactive power 0,02 current
	0,02 Temperature
	5 % earth fault current external measurement +/- 30 min/year internal clock
	3 % power factor
	1 % voltage 100830 V)
Measurement accuracy	515 % earth fault current internal measurement
	Phase current I1, I2, I3 RMS
	Imbalance current Earth-fault current
	Average current lavg
Metering type	Temperature
Contacts type and composition	1 NO + 1 NC fault signal 3 NO
Maximum operating rate	1800 cyc/h
Manian and analization and	30 W DC-13), le = 1.25 A, 500000 cycles output)
Permissible power	480 VA AC-15), le = 2 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
	Motor control command recording
	Trip history information Waiting time after overload tripping
	Event recording
	Fault recording Phase fault and earth fault trip counters
	Remaining operating time before overload tripping
31 ·	Trip context information
type	Starting current and time

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
	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	IEC 60947-4-1
	CSA C22.2 No 14
	EN 60947-4-1
	IACS E10
	UL 508
Product Certifications	RMRoS
	ABS
	NOM
	KERI
	RINA
	BV
	CCC
	C-tick
	CSA
	EAC ATEX
	UL
	GL
	DNV
	LROS (Lloyds register of shipping)
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	3389119404785	
Returnability	No	
Country of origin	CN	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.8 in (7.0 cm)
Package 1 Width	3.9 in (10.0 cm)
Package 1 Length	5.3 in (13.5 cm)
Package 1 Weight	18.0 oz (510.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	12.053 lb(US) (5.467 kg)

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

Ø	Mercury Free
Ø	Rohs Exemption Information Yes
Ø	Pvc Free
②	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