

motor controller LTMR TeSys T - 100..240 V AC 8 A for Profibus DP

LTMR08PFM

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	0.48 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	Profibus DP	
Bus type	Profibus DP polarised 2-wire RS485 interface, addressing 1125, transmission rate 9.6 kbit/s12 Mbit/s, SUB-D 9 with 2 shielded twisted pairs, type A Profibus DP polarised 2-wire RS485 interface, addressing 1125, transmission rate 9.6 kbit/s12 Mbit/s, terminal block with 2 shielded twisted pairs, type A	

Complementary

[Ui] rated insulation voltage	690 V conforming to EN/IEC 60947-1 690 V conforming to CSA C22.2 No 14 690 V conforming to UL 508	
[Uimp] rated impulse withstand voltage 4 kV supply, inputs and outputs conforming to EN/IEC 60947-4-1 6 kV current or voltage measurement circuit conforming to EN/IEC 60947-4-1 0.8 kV communication circuit conforming to EN/IEC 60947-4-1		
Short-circuit withstand	100 kA conforming to EN/IEC 60947-4-1	
Associated fuse rating	4 A gG for output 0.5 A gG for control circuit	
Protection type	Locked rotor Overload Phase unbalance Phase failure Earth-leakage protection Reverse polarity protection Load fluctuation Thermal protection Power factor variation Thermal overload protection Overload (long time)	

Network and machine diagnosis type	Phase fault and earth fault trip counters Trip history information Starting current and time Fault recording Waiting time after overload tripping Event recording Motor control command recording Running hours counter/operating time Trip context information Remaining operating time before overload tripping	
Logic input number	6	
Input current	3.1 mA at 100 V 7.5 mA at 240 V	
Current state 0 guaranteed	Logic input: 040 V and <= 15 mA for 25 ms	
Current state 1 guaranteed	Logic input: 79264 V and >= 2 mA for 25 ms	
maximum output switching frequency	2 Hz	
Load current	5 A at 250 V AC for logic output 5 A at 30 V DC for 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	Average current lavg Earth-fault current Temperature Imbalance current 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	5.08 mm	
Connections - terminals	Control circuit: connector 1 cable(s) 0.252.5 mm² (AWG 24AWG 14) flexible with cable end Control circuit: connector 1 cable(s) 0.22.5 mm² (AWG 24AWG 14) flexible without cable end Control circuit: connector 1 cable(s) 0.252.5 mm² (AWG 24AWG 14) flexible without cable end Control circuit: connector 1 cable(s) 0.22.5 mm² (AWG 24AWG 14) solid without cable end Control circuit: connector 2 cable(s) 0.21 mm² (AWG 24AWG 14) flexible with cable end Control circuit: connector 2 cable(s) 0.21.5 mm² (AWG 24AWG 14) flexible without cable end Control circuit: connector 2 cable(s) 0.51.5 mm² (AWG 24AWG 14) flexible without cable end Control circuit: connector 2 cable(s) 0.51.5 mm² (AWG 24AWG 14) flexible without cable end Control circuit: connector 2 cable(s) 0.51.5 mm² (AWG 24AWG 14) solid without cable end	
Tightening torque	Control circuit: 0.50.6 N.m flat screwdriver 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	
Width	Control circuit: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5	
	91 mm	
Height	61 mm	
Depth	122.5 mm	
Product weight	0.53 kg	
Web services	Web server	
Compatibility code	LTMR	
Environment		
Standards	UL 508	
	IEC 60947-4-1	
	EN 60947-4-1 IACS E10	
	CSA C22.2 No 14	
Product certifications	CSA	
	C-Tick	
	UL	
	CCC	
	LROS (Lloyds register of shipping)	
	NOM ABS	
	GL	
	EAC	
	BV	
	DNV	
	RINA RMRoS	
	ATEX	
	KERI	
Protective treatment	12 x 24 hour cycles conforming to EN/IEC 60068-2-30	
	48 h conforming to EN/IEC 60070-2-11	
	TH conforming to EN/IEC 60068	
Fire resistance	650 °C conforming to EN/IEC 60695-2-12 960 °C conforming to UL 94	
	<u> </u>	
Ambient air temperature for operation	-2060 °C	
Ambient air temperature for storage	-4080 °C	
Operating altitude	<= 2000 m without derating	
Mechanical robustness	Vibrations mounted on symmetrical rail: 1 Gn, 5300 Hz conforming to EN/IEC	
	60068-2-6 Vibrations plate mounted: 4 Gn, 5300 Hz conforming to EN/IEC 60068-2-6	
	Shocks half sine wave acceleration: 15 Gn for 11 ms conforming to EN/IEC 60068-2-27	
IP degree of protection	IP20	

Packing Units

IP degree of protection

IP20

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	10 cm
Package 1 Length	13.6 cm
Package 1 Weight	526 g
Unit Type of Package 2	S02
Number of Units in Package 2	10
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.656 kg

Contractual warranty

Warranty 18 months



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

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Fc01c523-9a07-4dfa-988f-c721d4816782
China RoHS Regulation	China RoHS declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
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
Halogen content performance	Halogen free plastic parts product
Take-back	No