

# Product data sheet

Specifications



## Extension module, TeSys T, 4 inputs, 100 to 240VAC, for LTMR controller

LTMEV40FM

### 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 conforming to EN/IEC 60947-1<br>690 V conforming to CSA C22.2 No 14<br>690 V conforming to UL 508                                                                                                         |
| [Uimp] rated impulse withstand voltage | 4 kV supply, inputs and outputs conforming to EN/IEC 60947-4-1<br>6 kV current or voltage measurement circuit conforming to EN/IEC 60947-4-1                                                                    |
| Logic input number                     | 4                                                                                                                                                                                                               |
| Input current                          | 3.1 mA at 100 V<br>7.5 mA at 240 V                                                                                                                                                                              |
| Current state 0 guaranteed             | Logic input: 0...40 V and 2...15 mA for 25 ms                                                                                                                                                                   |
| Current state 1 guaranteed             | Logic input: 79...264 V and <= 15 mA for 25 ms                                                                                                                                                                  |
| maximum output switching frequency     | 2 Hz                                                                                                                                                                                                            |
| maximum operating rate                 | 1800 cyc/h                                                                                                                                                                                                      |
| Contacts type and composition          | Without                                                                                                                                                                                                         |
| Metering type                          | Imbalance voltage<br>Active power P, P1, P2, P3<br>Calculated active and reactive energy (+/- W.h, +/- VAR.h)<br>Voltage U21, U32, U13, V1, V2, V3<br>Reactive power Q, Q1, Q2, Q3<br>Frequency<br>Power factor |
| Measurement accuracy                   | 1 % voltage (100...830 V)<br>3 % power factor<br>5 % active and reactive power                                                                                                                                  |
| Overvoltage category                   | III                                                                                                                                                                                                             |
| Connection pitch                       | 5.08 mm                                                                                                                                                                                                         |

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 cable(s) 0.25...2.5 mm² (AWG 24...AWG 14) flexible with cable end<br>Control circuit: connector 1 cable(s) 0.2...2.5 mm² (AWG 24...AWG 14) flexible without cable end<br>Control circuit: connector 1 cable(s) 0.25...2.5 mm² (AWG 24...AWG 14) flexible without cable end<br>Control circuit: connector 1 cable(s) 0.2...2.5 mm² (AWG 24...AWG 14) solid without cable end<br>Control circuit: connector 2 cable(s) 0.2...1 mm² (AWG 24...AWG 14) flexible with cable end<br>Control circuit: connector 2 cable(s) 0.2...1.5 mm² (AWG 24...AWG 14) flexible without cable end<br>Control circuit: connector 2 cable(s) 0.5...1.5 mm² (AWG 24...AWG 14) flexible without cable end<br>Control circuit: connector 2 cable(s) 0.2...1 mm² (AWG 24...AWG 14) solid without cable end |
| Tightening torque             | Control circuit: 0.5...0.6 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<br>Fast transients immunity test (other circuits), level 3, 2 kV, conforming to EN/IEC 61000-4-4<br>Fast transients immunity test (on supply and relay outputs), level 4, 4 kV, conforming to EN/IEC 61000-4-4<br>Conducted RF disturbances, 10 V, conforming to EN/IEC 61000-4-6<br>Control circuit: surges (serial mode), 1 kV, conforming to EN/IEC 61000-4-5<br>Communication: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5<br>Voltage inputs: surges (serial mode), 2 kV, conforming to EN/IEC 61000-4-5<br>Voltage inputs: surges (common mode), 4 kV, conforming to EN/IEC 61000-4-5<br>Control circuit: surges (common mode), 2 kV, conforming to EN/IEC 61000-4-5                                    |
| Width                         | 45 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Height                        | 61 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Depth                         | 120.7 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Net weight                    | 0.21 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Compatibility code            | LTME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 14<br>IACS E10<br>IEC 60947-4-1<br>UL 508<br>EN 60947-4-1                                                                    |
| Product certifications                | LROS (Lloyds register of shipping)<br>ATEX<br>NOM<br>EAC<br>RMRoS<br>GL<br>UL<br>DNV<br>BV<br>RINA<br>KERI<br>C-Tick<br>CSA<br>CCC<br>ABS |
| IP degree of protection               | IP20                                                                                                                                      |
| Protective treatment                  | 12 x 24 hour cycles conforming to EN/IEC 60068-2-30<br>48 h conforming to EN/IEC 60070-2-11<br>TH conforming to EN/IEC 60068              |
| Fire resistance                       | 650 °C conforming to EN/IEC 60695-2-12<br>960 °C conforming to UL 94                                                                      |
| Ambient air temperature for operation | -20...60 °C                                                                                                                               |

|                                     |                                                                                                                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient air temperature for storage | -40...80 °C                                                                                                                                                                                                                                                 |
| Operating altitude                  | <= 2000 m without derating                                                                                                                                                                                                                                  |
| Mechanical robustness               | Shocks half sine wave acceleration: 15 Gn for 11 ms conforming to EN/IEC 60068-2-27<br>Vibrations mounted on symmetrical rail: 1 Gn, 5...300 Hz conforming to EN/IEC 60068-2-6<br>Vibrations plate mounted: 4 Gn, 5...300 Hz conforming to EN/IEC 60068-2-6 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 5.500 cm  |
| Package 1 Width              | 7.200 cm  |
| Package 1 Length             | 13.600 cm |
| Package 1 Weight             | 202.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 20        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 4.385 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 | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                      |
|----------------------------------------|--------------------------------------|
| Packaging made with recycled cardboard | Yes                                  |
| Packaging without single use plastic   | Yes                                  |
| <a href="#">EU RoHS Directive</a>      | Compliant with Exemptions            |
| SCIP Number                            | Fc01c523-9a07-4dfa-988f-c721d4816782 |
| Halogen-free status                    | Halogen free plastic parts product   |
| PVC free                               | Yes                                  |

Use Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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 |