



Main

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|---------------------------|------------------------|
| Range of product | Modicon TM5 |
| Product or component type | Discrete output module |
| Discrete output number | 2 |
| Discrete output type | Relay |

Complementary

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|--------------------------------|--|
| Range compatibility | PacDrive LMC motion controller |
| Product compatibility | PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco |
| Output voltage | 24 V DC 230 V AC |
| Output voltage limits | 5...230 V AC 5...24 V DC |
| Discrete output function | 2 NO |
| Current per channel | 6 A |
| Colour | Red |
| Response time | ≤ 50 ms |
| Protection type | Reverse polarity protection Without short-circuit protection Without overload protection |
| Isolation | No insulation between channels 500 Vrms AC insulation between channel and bus |
| Maximum power consumption in W | 1.15 W for internal 0.26 W for bus |
| Maximum power dissipation in W | 2.3 W |
| Marking | CE |
| Safety level | SIL 3 conforming to IEC 61508 SIL 3 conforming to IEC 62061 PL = e conforming to EN 13849-1 |
| Safety reliability data | MTTFd > 100 years PFD < 1E-5 PFH < 1E-9 B10d = 780000 utilisation category DC-1, 24 V, <6 A B10d = 780000 utilisation category AC-1, 230 V, <6 A B10d = 1960000 utilisation category AC-15, 230 V, <3 A B10d = 780000 utilisation category DC-15, 24 V, <5 A |
| Net weight | 0.101 kg |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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| Standards | IEC 61508 UL 508 EN 13849-1 IEC 62061 |
| Product certifications | CULus |
| Ambient air temperature for operation | 0...50 °C (vertical installation) 0...55 °C without derating (horizontal installation) 0...60 °C with derating factor (horizontal installation) |
| Ambient air temperature for storage | -25...70 °C |
| Relative humidity | 5...95 % without condensation |
| IP degree of protection | IP20 conforming to IEC 61131-2 |
| Pollution degree | 2 conforming to IEC 60664 |
| Operating altitude | 0...2000 m |
| Storage altitude | 0...3000 m |
| Vibration resistance | 1 gn at 8.4...150 Hz on DIN rail 3.5 mm at 5...8.4 Hz on DIN rail |
| Shock resistance | 15 gn for 11 ms |
| Electromagnetic compatibility | Electrostatic discharge immunity test, 4 kV on contact conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to EN/IEC 61000-4-2 Susceptibility to electromagnetic fields, 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to EN/IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to EN/IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to EN/IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to EN/IEC 61000-4-5 Conducted RF disturbances conforming to EN/IEC 61000-4-6 Conducted and radiated emissions conforming to CISPR 11 |

Packing Units

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| Package 1 Weight | 0.082 kg |
| Package 1 Height | 31.000 mm |
| Package 1 width | 60.000 mm |
| Package 1 Length | 104.000 mm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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 |
| PVC free | Yes |