

Schneider Electric TM5SDI16D

discrete input module, Modicon TM5, 16 DI, 24V DC sink, 1 wire
TM5SDI16D

Main

Range of product Modicon TM5

Product or component type Discrete input module

Discrete input number 16

Discrete input voltage 24 V

Complementary

Range compatibility PacDrive LMC motion controller

Modicon M258

Modicon LMC058

Product compatibility Motion controller

PacDrive LMC Pro

PacDrive LMC Pro 2

PacDrive LMC Eco

Logic controller

Discrete input voltage type DC

Input voltage limits 20.4...28.8 V

Discrete input logic Sink

Discrete input current 2.68 mA

Input impedance 8.9 kOhm

Colour White

Voltage state 0 guaranteed ≤ 5 V

Voltage state 1 guaranteed ≥ 15 V

Input filtering ≤ 25 ms configurable by software

≤ 100 ms hardware

Isolation 500 Vrms AC insulation between channel and bus

No insulation between channels

Current consumption 36 mA at 5 V DC bus

61 mA at 24 V DC all inputs On

Maximum power dissipation in

W

1.65 W

Local signalling 1 LED green/red for power supply

16 LEDs green for input status

Electrical connection 1 wire

Marking CE

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Net weight 0.025 kg

Environment

Standards IEC 61131-2

UL 508

CSA C22.2 No 142

CSA C22.2 No 213

Product certifications C-Tick

cULus

CSA

GOST-R

Ambient air temperature for
operation

-10...55 ° C without derating (horizontal installation)

-10...60 ° C with derating factor (horizontal installation)

-10...50 ° C (vertical installation)

Ambient air temperature for
storage

-40...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

Unit Type of Package 1 PCE

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Number of Units in Package 1 1

Package 1 Weight 39.0 g

Package 1 Height 2 cm

Package 1 width 6 cm

Package 1 Length 10.5 cm



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