

Schneider Service Manual

TM5SDO8TA

1. Description

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3. Product Information

TM5SDO8TA

digital output module - 8O - 24V DC - 2A - 1

wire

Main

Range of product Modicon TM5

Product or component

type

Discrete output module

Discrete output number 8

Discrete output type Transistor

Complementary

Range compatibility Modicon LMC058

Modicon M258

Product compatibility Motion controller

Logic controller

Output voltage 24 V DC

Output voltage limits 20.4...28.8 V

Discrete output logic Source

Current per channel 2 A

Current per output common $\leq$ 8 A

Colour White

Peak output current $\leq$ 12 A

Switching frequency $\leq$ 500 Hz resistive load

Response time $\leq$ 300 μ s from state 1 to state 0 for output

$\leq$ 300 μ s from state 0 to state 1 for output

Leakage current 5 μ A when switched off

Short-circuit protection With

Overload protection With

Reverse polarity protection With

Current consumption 44 mA 5 V DC bus

0 mA 24 V DC input/output

Power dissipation in W $\leq$ 1.5 W

Local signalling 8 LEDs yellow for output status

1 LED red for power supply

1 LED green for power supply

Electrical connection 1 wire

Marking CE

Product weight 0.025 kg

Environment

Standards CSA 22-2 No 142

IEC 61131-2

UL 508

CSA 22-2 No 213

Product certifications CSA

C-Tick

CULus

GOST-R

Ambient air temperature for operation 0...60 °C with derating factorhorizontal installation

0...55 °C without derating factorhorizontal installation

0...50 °C vertical 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 3.5 mm 5...8.4 Hz DIN rail

1 gn 8.4...150 Hz DIN rail

Shock resistance 15 gn for 11 ms

Resistance to electrostatic discharge 8 kV in air conforming to EN/IEC 61000-4-2

4 kV on contact conforming to EN/IEC 61000-4-2

Resistance to electromagnetic fields 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3

1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3

Resistance to fast transients 2 kV power lines conforming to EN/IEC 61000-4-4

1 kV shielded cable conforming to EN/IEC 61000-4-4

1 kV I/O conforming to EN/IEC 61000-4-4

Surge withstand 1 kV common mode conforming to EN/IEC 61000-4-5

0.5 kV differential mode conforming to EN/IEC 61000-4-5

Electromagnetic compatibility EN/IEC 61000-4-6

Disturbance radiated/conducted CISPR11

Not classified

Isolation No insulation between channels

500 Vrms AC insulation between channel and bus

Offer Sustainability

Sustainable offer status Not Green Premium product

RoHS Compliant - since 1039 - Schneider Electric declaration of conformity