

# TM5SDO2R

digital output module - 2O - 30V DC/230V AC - 5A -  
relay - 2 C/O



## Main

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

## Complementary

Range compatibility	Modicon LMC058 Modicon M258
Product compatibility	Motion controller Logic controller
Output voltage	230 V AC 30 V DC
Output voltage limits	184...276 V AC 24...36 V DC
Discrete output function	2 C/O
Current per channel	5 A
Current per output common	<= 10 A
Colour	Black
Response time	<= 10 ms from state 0 to state 1 for output <= 10 ms from state 1 to state 0 for output
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
Current consumption	90 mA 5 V DC bus
Power dissipation in W	<= 2.45 W
Marking	CE
Product weight	0.025 kg

## Environment

Standards	CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213
Product certifications	CSA C-Tick CULus GOST-R
Ambient air temperature for operation	-10...50 °C vertical installation -10...55 °C without derating factorhorizontal installation -10...60 °C with derating factorhorizontal 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

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Pollution degree	2 conforming to IEC 60664
Operating altitude	0...2000 m
Storage altitude	0...3000 m
Vibration resistance	1 gn (f = 8.4...150 Hz) DIN rail 3.5 mm (f = 5...8.4 Hz) DIN rail
Shock resistance	15 gn for 11 ms
Electromagnetic compatibility	Conducted and radiated emissions conforming to CISPR 11 Conducted RF disturbances conforming to EN/IEC 61000-4-6 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

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 1039 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Available