

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 PacDrive LMC motion controller
Product compatibility	Motion controller Logic controller PacDrive LMC Pro PacDrive LMC Eco PacDrive LMC Pro 2
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...60 °C with derating factor horizontal installation -10...55 °C without derating factor horizontal installation
ambient air temperature for storage	-40...70 °C

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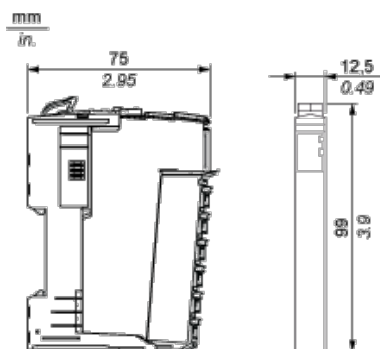
relative humidity	5...95 % without condensation
IP degree of protection	IP20 conforming to IEC 61131-2
pollution degree	2 conforming to IEC 60664
operating altitude	0...2000 m
storage altitude	0...3000 m
vibration resistance	1 gn (f = 8.4...150 Hz) DIN rail 3.5 mm (f = 5...8.4 Hz) DIN rail
shock resistance	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 μ s shock waves immunity test (0.5 kV - differential mode) conforming to EN/IEC 61000-4-5 1.2/50 μ s shock waves immunity test (1 kV - common mode) conforming to EN/IEC 61000-4-5

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

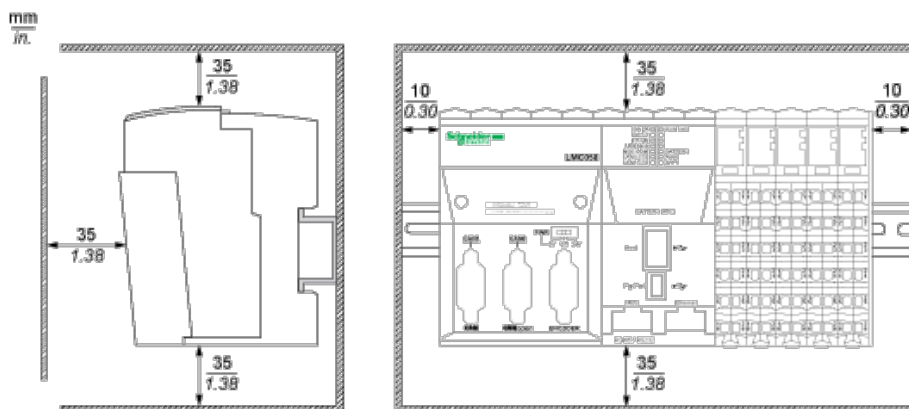
TM5 Slice

Dimensions

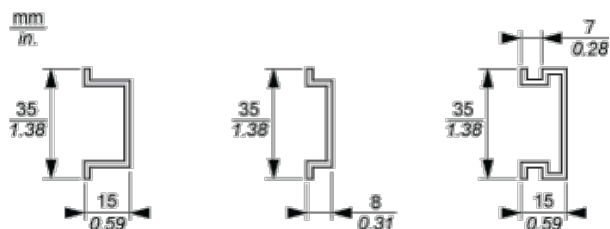


TM5 System

Spacing Requirements



Mounting on a DIN Rail



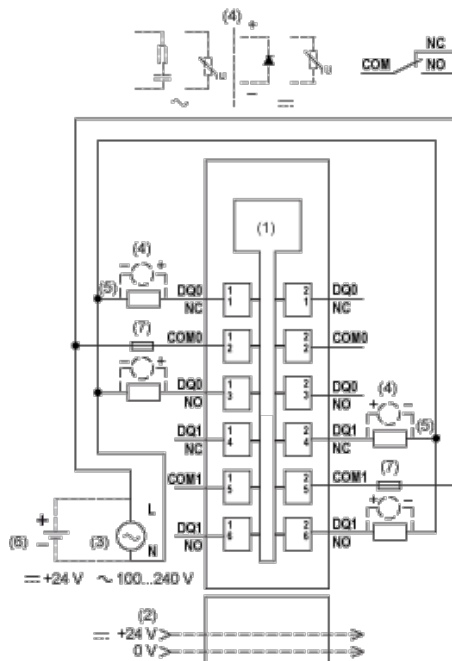
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.	9 0.35				
mm ²	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75	
AWG	28...14	24...14	24...16	2 x 24...2 x 18	

Electronic Module 2DO 30 Vdc/230 Vac 5 A Relay C/O

Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) External power supply 100...240 Vac
- (4) Inductive load protection
- (5) 2-wire load
- (6) External power supply 24 Vdc

(7) External fuse type T slow-blow 5 A - 250 V