

TM5SDO6T

digital output module - 6O - 24V DC - 0,5A - 2 wires



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	Modicon TM5
Product or component type	Discrete output module
Discrete output number	6
Discrete output type	Transistor

Complementary

Range compatibility	Modicon LMC058 Modicon M258 PacDrive LMC motion controller
Product compatibility	Logic controller PacDrive LMC Eco PacDrive LMC Pro 2 Motion controller PacDrive LMC Pro
Output voltage	24 V DC
Output voltage limits	20.4...28.8 V
Discrete output logic	Source
Current per channel	0.5 A
Current per output common	<= 3 A
Color	White
Peak output current	<= 12 A
Switching frequency	<= 500 Hz resistive load
Response time	<= 300 µs from state 0 to state 1 output <= 300 µs from state 1 to state 0 output
Leakage current	5 µA when switched off
Protection type	Overload protection Short-circuit protection Reverse polarity protection
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
Voltage drop	<= 0.3 V at 500 mA for output <= 2 V at 500 mA for sensor supply
Supply current for sensors	500 mA
Current consumption	30 mA 24 V DC input/output 36 mA 5 V DC bus
Power dissipation in W	<= 1.2 W
Local signalling	1 LED green power supply 1 LED red power supply 6 LEDs yellow output status
Electrical connection	2 wires
Marking	CE
Product weight	0.06 lb(US) (0.025 kg)

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Environment

Standards	IEC 61131-2 UL 508 CSA C22.2 No 213 CSA C22.2 No 142
Product certifications	GOST-R CSA CULus C-Tick
Ambient air temperature for operation	14...140 °F (-10...60 °C) with derating factor horizontal installation 14...131 °F (-10...55 °C) without derating factor horizontal installation 14...122 °F (-10...50 °C) vertical installation
Ambient air temperature for storage	-40...158 °F (-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...6561.68 ft (0...2000 m)
Storage altitude	0...9842.52 ft (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 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

Ordering and shipping details

Category	22532 - M258 PLC
Discount Schedule	PC12
GTIN	00785901821885
Nbr. of units in pkg.	1
Package weight(Lbs)	7.0000000000000007E-2
Returnability	N
Country of origin	AT

Offer Sustainability

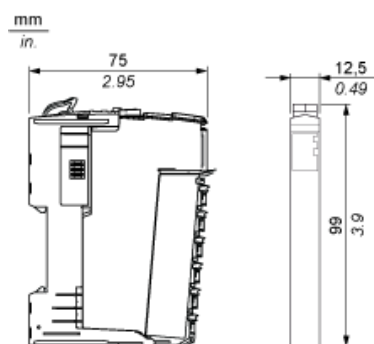
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End Of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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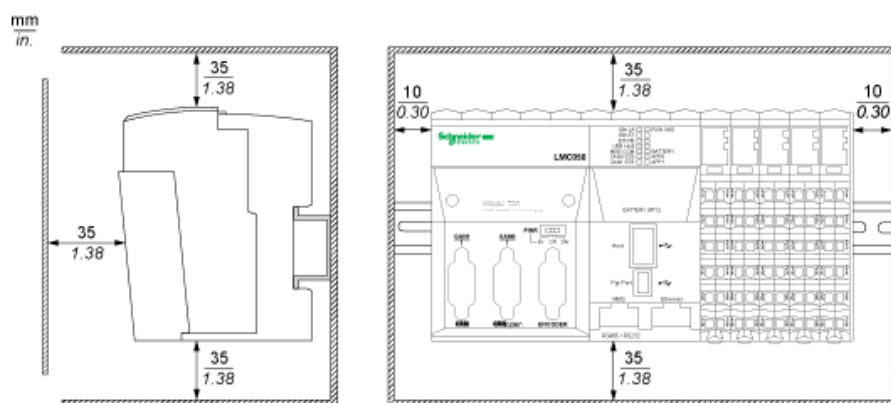
TM5 Slice

Dimensions

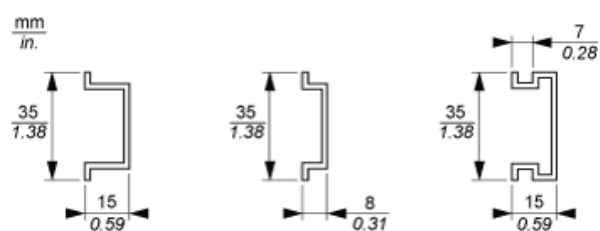


TM5 System

Spacing Requirements



Mounting on a DIN Rail



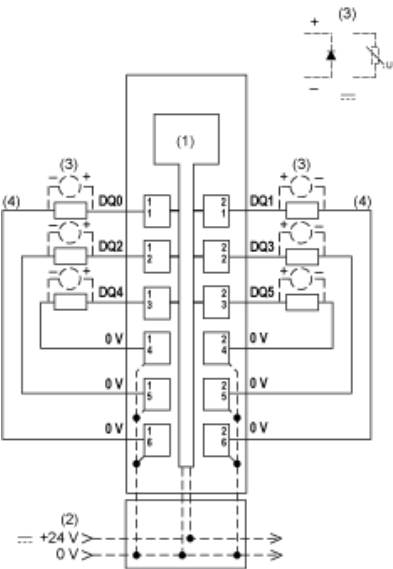
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

$\frac{\text{mm}}{\text{in.}}$ 				
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 6DO 24 Vdc Tr 0.5 A 2 Wires

Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) Inductive load protection
- (4) 2-wire load

Mouser Electronics

Authorized Distributor

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