Product datasheet

Specifications



Discrete output module. Modicon TM5. digital 4O. 24 V DC. 0.5 A. 3 wires

TM5SDO4T

Price: 1,898.39 ZAR

Main

Range Of Product	Modicon TM5
Product Or Component Type	Discrete output module
Discrete Output Number	4
Discrete Output Type	Transistor

Complementary

Range Compatibility	Modicon LMC058 PacDrive LMC motion controller Modicon M258
Product Compatibility	PacDrive LMC Pro 2 PacDrive LMC Pro PacDrive LMC Eco Logic controller Motion controller
Output Voltage	24 V DC
Output Voltage Limits	20.4...28.8 V
Discrete Output Logic	Source
Current Per Channel	0.5 A
Maximum Current Per Output Common	2 A
Colour	White
Peak Output Current	12 A
Switching Frequency	<= 500 Hz resistive load
Response Time	<= 300 µs from state 0 to state 1 for output <= 300 µs from state 1 to state 0 for output
Maximum Leakage Current	5 µA when switched off
Protection Type	Reverse polarity protection Short-circuit protection Overload protection
Isolation	500 Vrms AC insulation between channel and bus No insulation between channels
Maximum Voltage Drop	<0.3 V at 500 mA for output <2 V at 500 mA for sensor supply
Maximum Supply Current For Sensors	500 mA
Current Consumption	20 mA at 24 V DC input/output 32 mA at 5 V DC bus
Maximum Power Dissipation In W	0.86 W

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Local Signalling	1 LED green for power supply 1 LED red for power supply 4 LEDs yellow for output status
Electrical Connection	3 wires
Marking	CE
Net Weight	0.025 kg

Environment

Standards	IEC 61131-2 CSA C22.2 No 213 UL 508 CSA C22.2 No 142
Product Certifications	CSA GOST-R cULus C-Tick
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 IEC 61000-4-2 Electrostatic discharge immunity test, 8 kV in air conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields, 1 V/m 2...2.7 GHz conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields, 10 V/m 80...2000 MHz conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test, 1 kV I/O conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 1 kV shielded cable conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test, 2 kV power lines conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test, 0.5 kV differential mode conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test, 1 kV common mode conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Conducted and radiated emissions conforming to CISPR 11

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	6.000 cm
Package 1 Length	10.500 cm
Package 1 Weight	38.000 g
Unit Type Of Package 2	S02

Number Of Units In Package 2	97
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.017 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency



RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

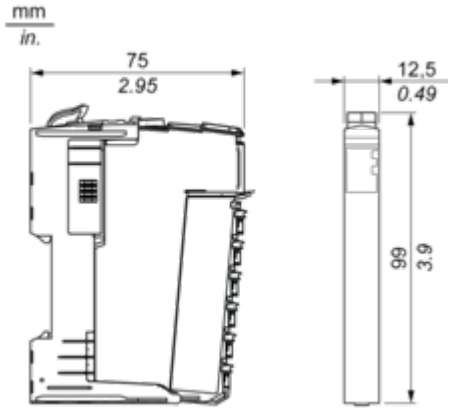
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

TM5 Slice

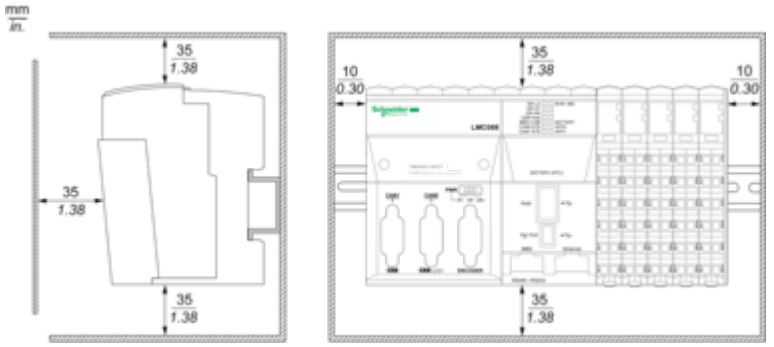
Dimensions



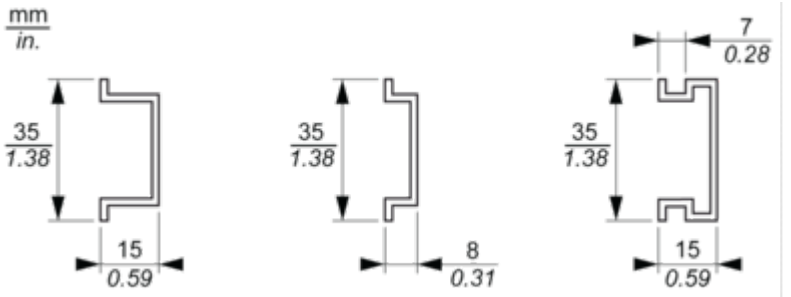
Mounting and Clearance

TM5 System

Spacing Requirements



Mounting on a DIN Rail



Connections and Schema

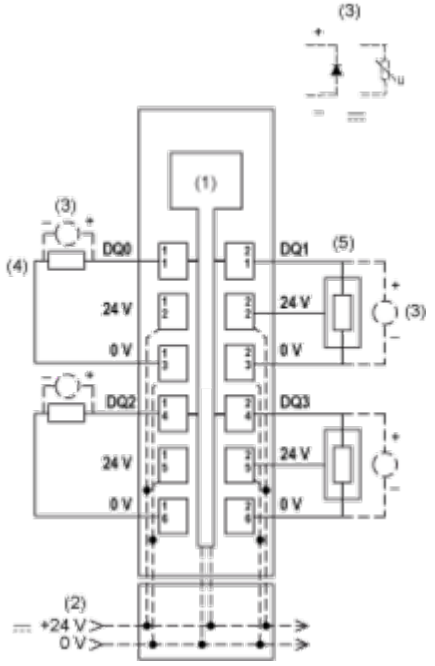
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm / 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 4DO 24 Vdc Tr 0.5 A 3 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
(5) 3-wire load