

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



Main

Range of product	Modicon TM5
Product or component type	Discrete input module
Discrete input number	6
Discrete input voltage	24 V

Complementary

Range compatibility	PacDrive LMC motion controller Modicon M258 Modicon LMC058
Product compatibility	PacDrive LMC Pro Logic controller PacDrive LMC Eco Motion controller PacDrive LMC Pro 2
Discrete input voltage type	DC
Input voltage limits	20.4...28.8 V
Discrete input logic	Sink
Discrete input current	3.75 mA
Input impedance	6.4 kOhm
Color	White
Voltage state 0 guaranteed	≤ 5 V
Voltage state 1 guaranteed	≥ 15 V
Input filtering	≤ 25 ms configurable by software ≤ 100 ms hardware
Isolation	No insulation between channels 500 Vrms AC insulation between channel and bus
Current consumption	30 mA 5 V DC bus 37 mA 24 V DC all inputs On
Power dissipation in W	≤ 1.03 W
Local signalling	1 LED green power supply 1 LED red power supply 6 LEDs green input status
Electrical connection	2 wires
Marking	CE
Product weight	0.06 lb(US) (0.025 kg)

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Environment

Standards	UL 508 CSA C22.2 No 213 CSA C22.2 No 142 IEC 61131-2
Product certifications	CSA CULus GOST-R 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	00785901685135
Nbr. of units in pkg.	1
Package weight(Lbs)	7.0000000000000007E-2
Returnability	N
Country of origin	AT

Offer Sustainability

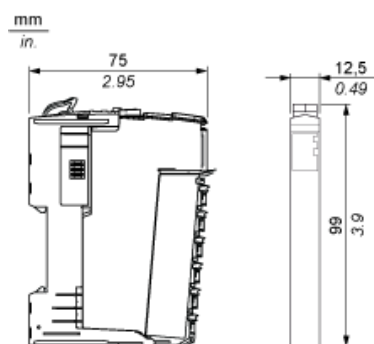
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1039 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental 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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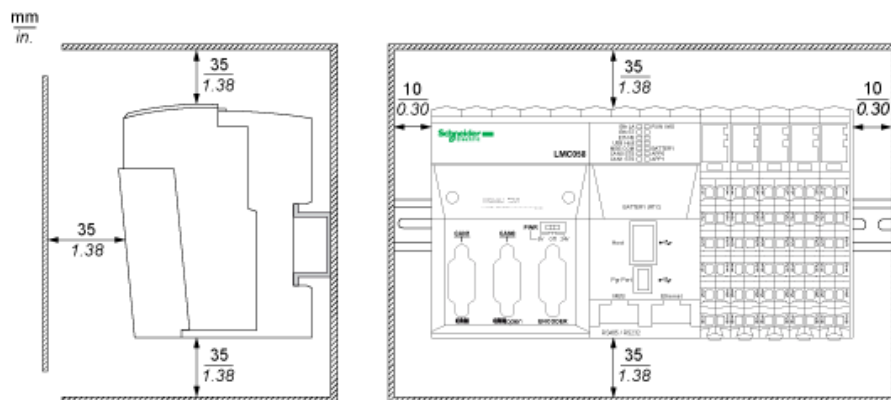
TM5 Slice

Dimensions

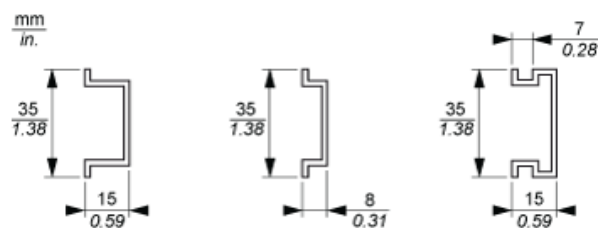


TM5 System

Spacing Requirements







Mounting on a DIN Rail



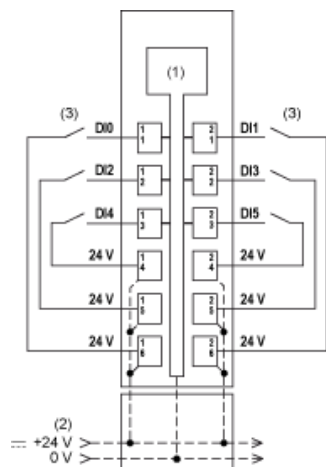
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

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

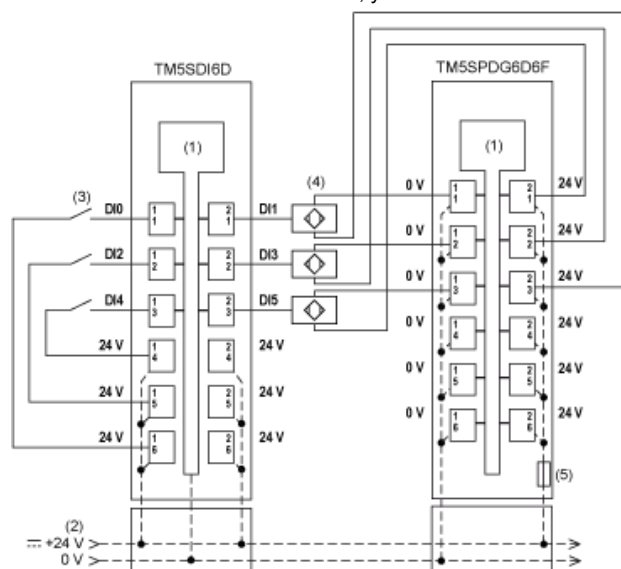
Electronic Module 6DI 24 Vdc Sink 2 Wires

Wiring Diagrams



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

To connect 3-wire electronic sensors, you can add a TM5SPDG6D6F Common Distribution module:



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) 2-wire sensor
- (4) 3-wire sensor
- (5) Integrated fuse type T slow-blow 6.3 A 250 V exchangeable

Mouser Electronics

Authorized Distributor

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