

Product data sheet

Specifications



Discrete output module, Modicon TM5, Composition kit of I/O(TM5SDO4R) + term. block(TM5ACTB32) + bus base(TM5ACBM12)

TM5SDO4RK

Main

Range Of Product	Modicon TM5
Product Or Component Type	Discrete output module
Discrete Output Number	4
Discrete Output Type	Relay
Output Voltage	230 V AC 30 V DC

Complementary

Device Composition	Bus sub-base TM5ACBM12 Terminal block TM5ACTB32 I/O module TM5SDO4R
Range Compatibility	Modicon LMC058 Modicon M258
Product Compatibility	Motion controller Logic controller
Output Voltage Limits	184...276 V AC 24...36 V DC
Discrete Output Function	4 NO
Current Per Channel	5 A
Maximum 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
Short-Circuit Protection	Without
Overload Protection	Without
Reverse Polarity Protection	With
Isolation	500 Vrms AC insulation between channel and bus No insulation between channels
Mechanical Durability	20000000 cycles
Electrical Durability	500000 cycles at 5 A
Current Consumption	160 mA at 5 V DC bus
Maximum Power Dissipation In W	2.3 W
Marking	CE
Net Weight	0.07 kg

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

Environment

Standards	CSA C22.2 No 213 IEC 61131-2 CSA C22.2 No 142 UL 508
Product Certifications	GOST-R C-Tick cULus CSA
Ambient Air Temperature For Operation	0...55 °C without derating (horizontal installation) 0...60 °C with derating factor (horizontal installation) 0...50 °C (vertical installation)
Ambient Air Temperature For Storage	-25...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
Resistance To Electrostatic Discharge	4 kV on contact conforming to EN/IEC 61000-4-2 8 kV in air conforming to EN/IEC 61000-4-2
Resistance To Electromagnetic Fields	1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3 10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3
Resistance To Fast Transients	1 kV (I/O) conforming to EN/IEC 61000-4-4 1 kV (shielded cable) conforming to EN/IEC 61000-4-4 2 kV (power lines) conforming to EN/IEC 61000-4-4
Surge Withstand	0.5 kV differential mode conforming to EN/IEC 61000-4-5 1 kV common mode conforming to EN/IEC 61000-4-5
Electromagnetic Compatibility	EN/IEC 61000-4-6
Disturbance Radiated/Conducted	CISPR 11

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	9.000 cm
Package 1 Length	11.000 cm
Package 1 Weight	117.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.830 kg

Contractual warranty

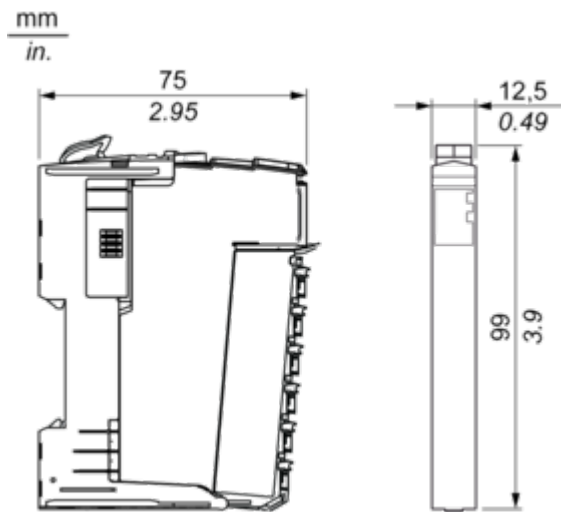
Warranty

18 months

Dimensions Drawings

TM5 Slice

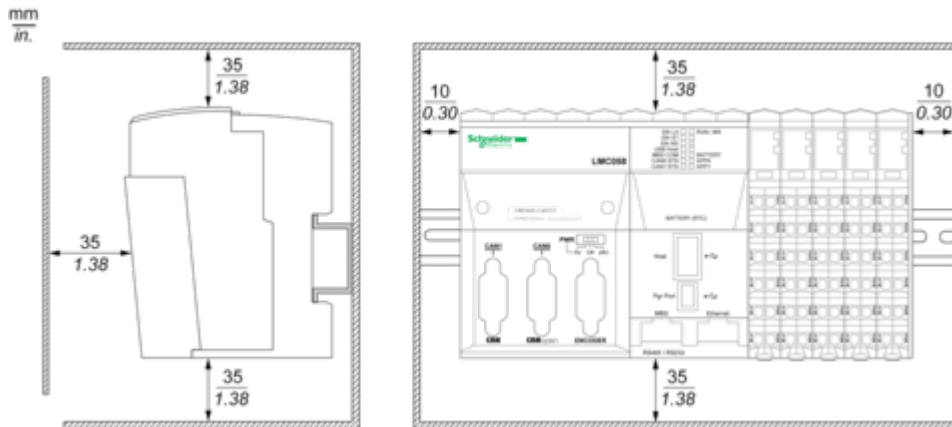
Dimensions



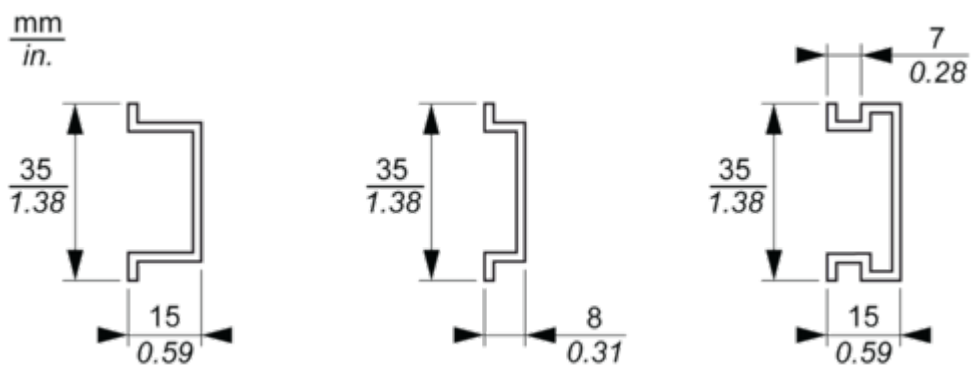
Mounting and Clearance

TM5 System

Spacing Requirements



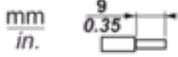
Mounting on a DIN Rail



Connections and Schema

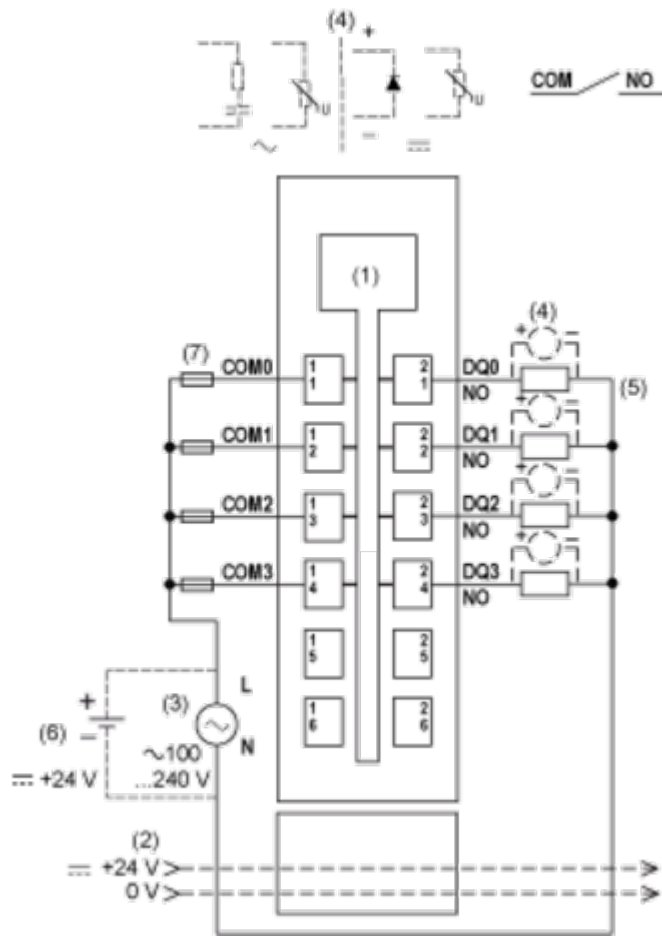
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

				
mm 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 30 Vdc / 230 Vac 5 A Relay N/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