



Main

Range of product	Modicon TM5
Product or component type	CANopen communication module

Complementary

Device composition	Bus sub-base TM5ACBN1 Terminal block TM5ACTB12PS CANopen module TM5NCO1 Power supply unit TM5SPS3
Range compatibility	Modicon LMC058 Modicon M258
Product compatibility	Logic controller Motion controller
Integrated connection type	1 isolated serial link, male SUB-D 9 CANopen, 10, 20, 50, 125, 250, 500, 800, 1000 Kbit/s and autodetected
Current consumption	300 mA
Power dissipation in W	1.5 W
Colour	White
Local signalling	1 LED green/red for power supply (PWR) 1 LED green/red for CAN status (RUN) 1 LED red for CAN status (ERROR) 1 LED yellow for controller communication status on TM5 bus (TxD)
Electrical connection	Removable spring terminal block
Marking	CE
Net weight	0.12 kg

Environment

Standards	UL 508 IEC 61131-2 CSA C22.2 No 142 CSA C22.2 No 213
Product certifications	CULus GOST-R C-Tick CSA
Ambient air temperature for operation	-10...50 °C (vertical installation) -10...55 °C without derating (horizontal installation) -10...60 °C with derating factor (horizontal 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
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 MHz...2 GHz 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

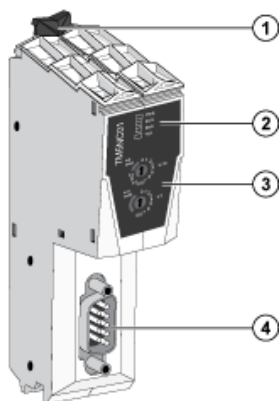
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	257 g
Package 1 Height	6 cm
Package 1 width	11 cm
Package 1 Length	17.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	3.855 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Contractual warranty

Warranty	18 months
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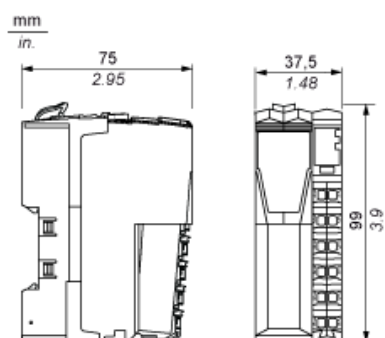
CANopen Interface Module



- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

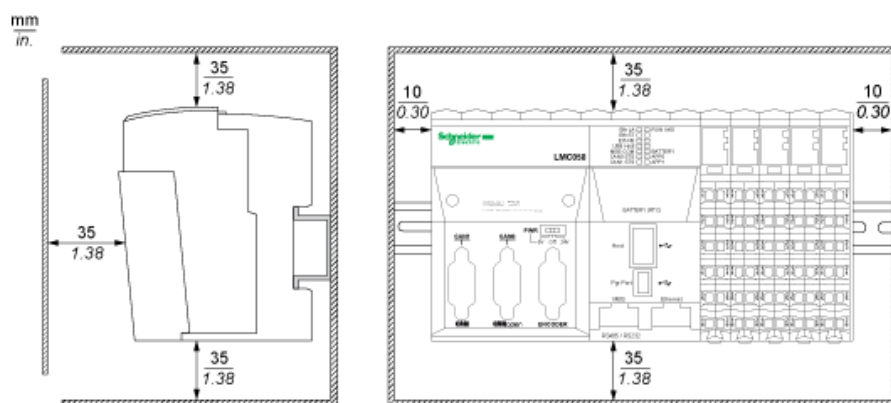
TM5 Field Bus Interface

Dimensions

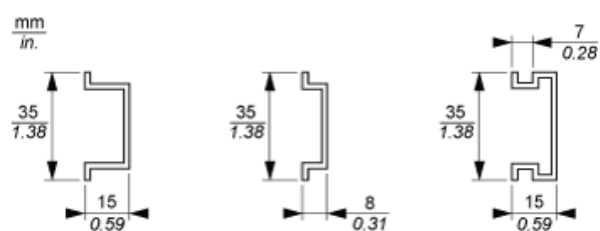


TM5 System

Spacing Requirements





Mounting on a DIN Rail



TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

<div>mm in.</div> <div></div>				
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