

Product data sheet

Specifications



CANOpen communication module, Modicon TM5, FieldBus Interface

TM5NCO1

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

Main

Range of Product	Modicon TM5
Product or Component Type	CANOpen communication module

Complementary

Range Compatibility	Modicon LMC058 Modicon LMC078 Modicon M258
Product Compatibility	Motion controller Logic 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
Device composition	Interface module Bus base ordered separately Power supply ordered separately Terminal block ordered separately
Maximum power dissipation in W	1.5 W
Color	White
Local signalling	1 LED green/red power supply (PWR) 1 LED green/red CAN status (RUN) 1 LED red CAN status (ERROR) 1 LED yellow controller communication status on TM5 bus (TxD)
Electrical connection	Removable spring terminal block
Marking	CE
Net Weight	0.11 lb(US) (0.05 kg)

Environment

Standards	CSA C22.2 No 213 IEC 61131-2 UL 508 CSA C22.2 No 142
Product Certifications	cULus C-tick CSA GOST-R
Ambient air temperature for operation	14...131 °F (-10...55 °C) without derating horizontal installation) 14...140 °F (-10...60 °C) with 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

IP degree of protection	IP20IEC 61131-2
Pollution degree	2 IEC 60664
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0...9842.5 ft (0...3000 m)
Vibration resistance	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail
Shock resistance	15 gn 11 ms
Resistance to electrostatic discharge	4 kV on contact IEC 61000-4-2 8 kV in air IEC 61000-4-2
Resistance to electromagnetic fields	0.9 V/m (1 V/m) 2...2.7 GHz IEC 61000-4-3 9.1 V/m (10 V/m) 80 MHz...2 GHz IEC 61000-4-3
Resistance to fast transients	1 kV IEC 61000-4-4 I/O) 1 kV IEC 61000-4-4 shielded cable) 2 kV IEC 61000-4-4 power lines)
Surge withstand	0.5 kV differential mode IEC 61000-4-5 1 kV common mode IEC 61000-4-5
Electromagnetic compatibility	EN/IEC 61000-4-6
Disturbance radiated/conducted	CISPR 11

Ordering and shipping details

Category	US1PC1222532
Discount Schedule	PC12
GTIN	3595864093031
Returnability	No
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.260 in (3.200 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	4.134 in (10.500 cm)
Package weight(Lbs)	2.257 oz (64.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.802 lb(US) (3.539 kg)

Contractual warranty

Warranty	18 months
-----------------	-----------



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

California proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

PVC free

Yes

Use Again

Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

Take-back

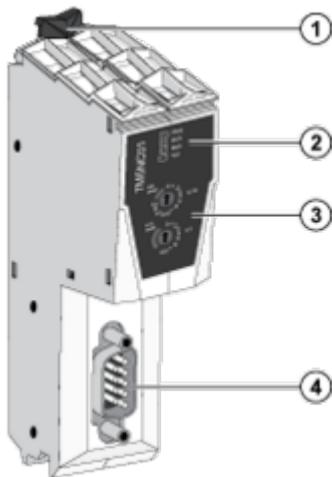
No

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Presentation

CANopen Interface Module

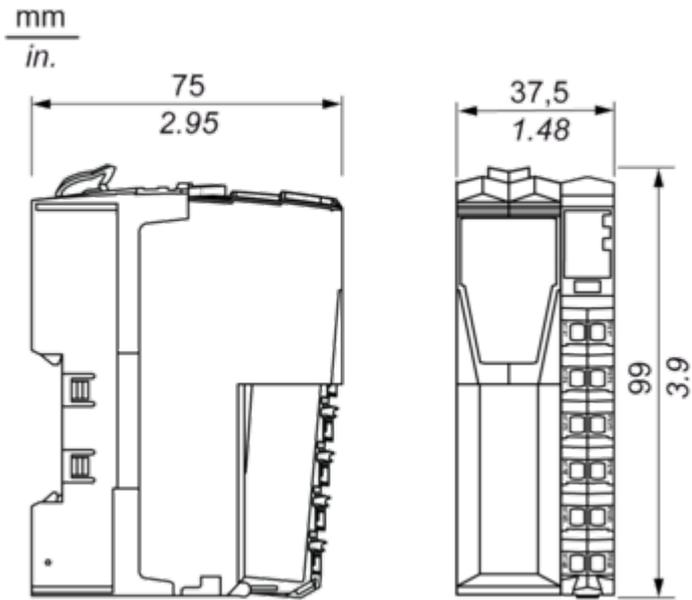


- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

Dimensions Drawings

TM5 Field Bus Interface

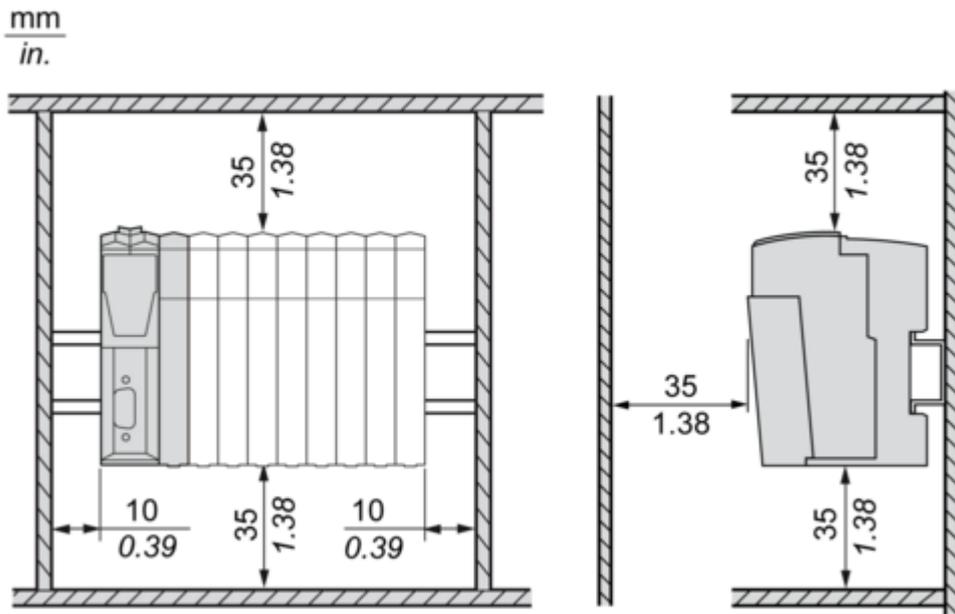
Dimensions



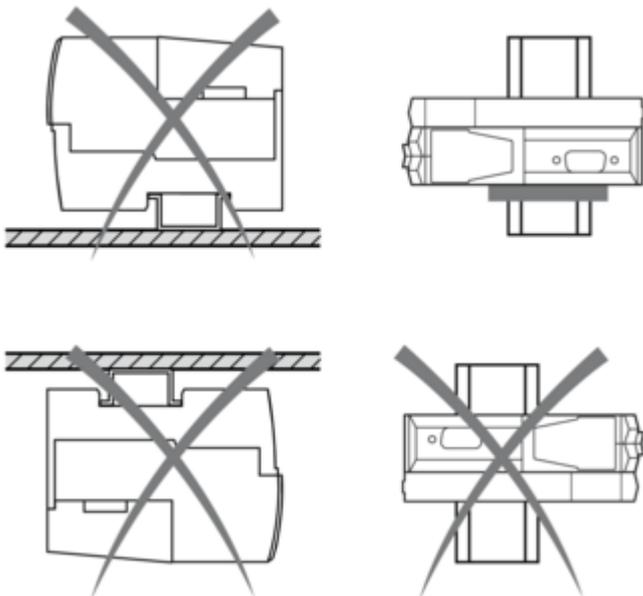
Mounting and Clearance

TM5 System

Spacing Requirements

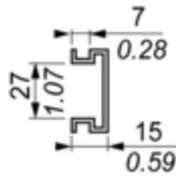
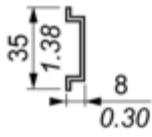
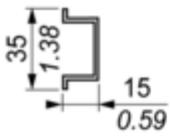


Mounting Position



Mounting on a Din Rail

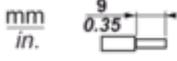
mm
in.



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