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
Product Compatibility	Motion controller Logic controller
Range Compatibility	Modicon LMC058 Modicon LMC078 Modicon M258

Complementary

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 Power supply Terminal block
Power dissipation in W	1.5 W
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)
Height	3.9 in (99 mm)
Width	1.5 in (37.5 mm)
Depth	3.0 in (75 mm)
Product Weight	0.11 lb(US) (0.05 kg)

Environment

IP Degree of Protection	IP20
Marking	CE
Product certifications	CULus C-tick CSA GOST-R
Standards	CSA C22.2 No 213 IEC 61131-2 UL 508 CSA C22.2 No 142
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)

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

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

Relative humidity	5…95 % without condensation
Operating altitude	0...6561.68 ft (0...2000 m)
Pollution degree	2
Vibration resistance	1 gn 8.4…150 Hz) on DIN rail 3.5 mm 5…8.4 Hz) on DIN rail
Shock resistance	15 gn 11 ms

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 (in months)	18

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

Total lifecycle Carbon footprint	**109 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**28 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**81 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.2 kg CO2 eq.**
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	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
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 Longer

Lifetime extension

Repair	**No**

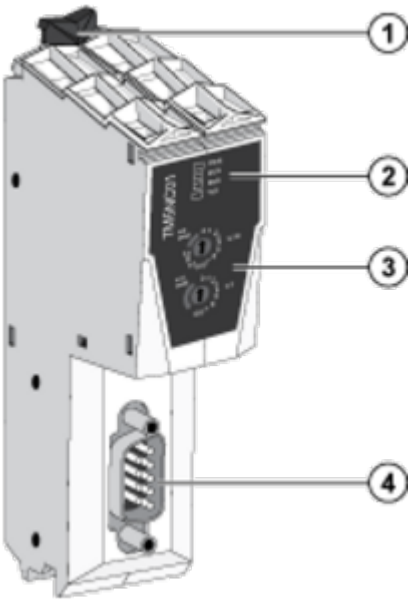
Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
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

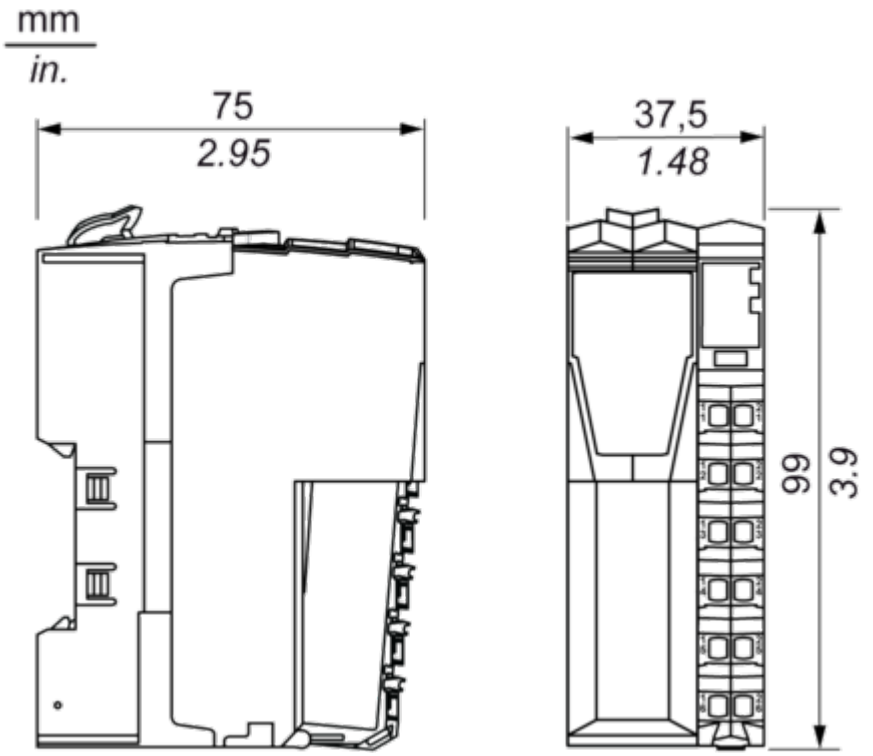


(1) Locking clip
(2) Status LEDs
(3) CANopen address and bit-rate setting rotary switches
(4) CANopen bus connector (SUB-D 9)

Dimensions Drawings

TM5 Field Bus Interface

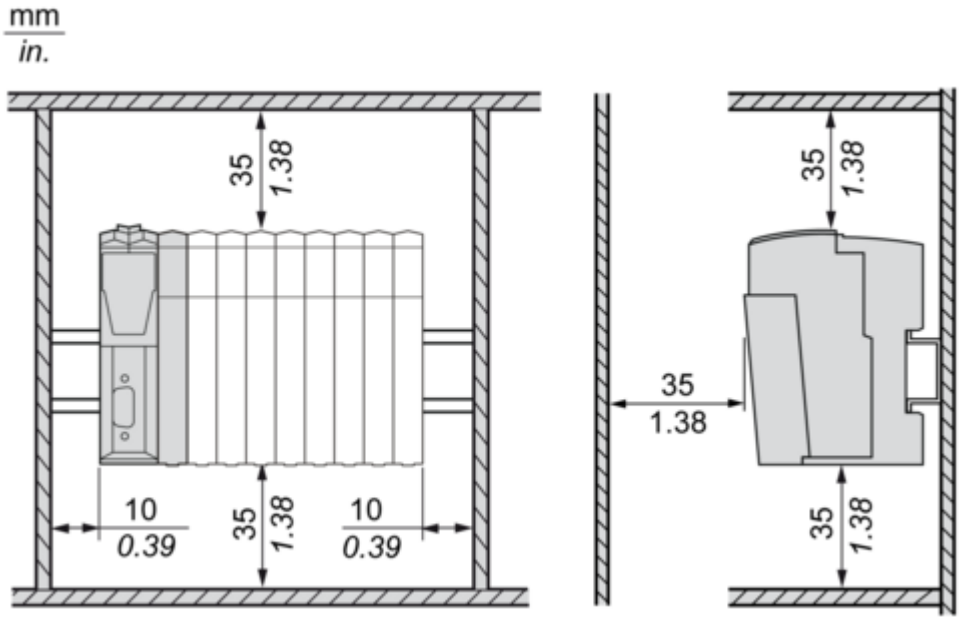
Dimensions



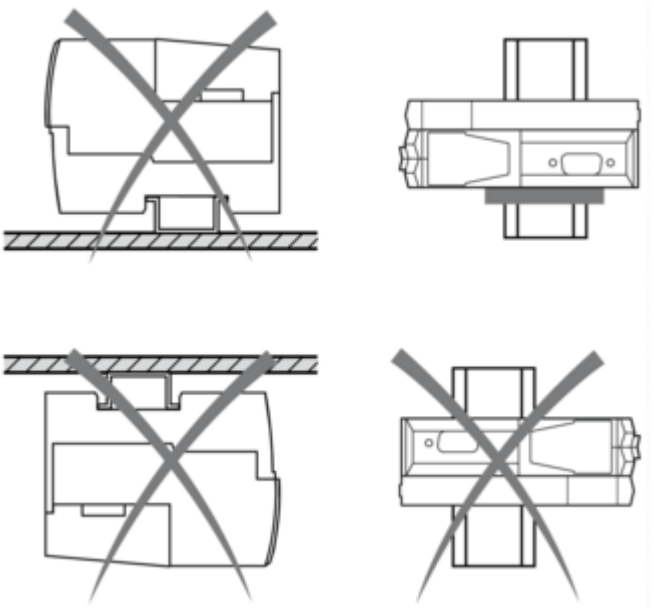
Mounting and Clearance

TM5 System

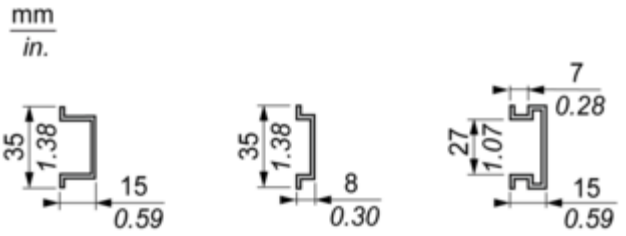
Spacing Requirements



Mounting Position



Mounting on a Din Rail


mm
in.
35
1.38
15
0.59
35
1.38
8
0.30
7
0.28
27
1.07
15
0.59

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