

# Product data sheet

## Characteristics

### TM5NCO1K

Composition of IO(TM5NCO1)+term block(TM5ACTB12PS)+base(TM5ACBN1)+power(TM5SPS3)



#### 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 (Tx/D)
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

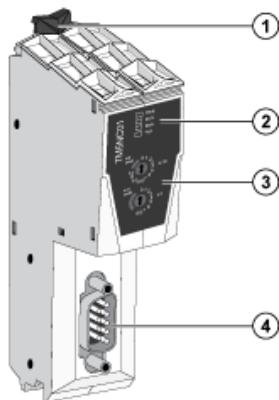
### Contractual warranty

Warranty	18 months
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**CANopen Interface Module**

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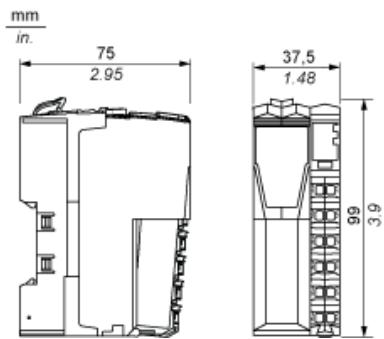
- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

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TM5 Field Bus Interface

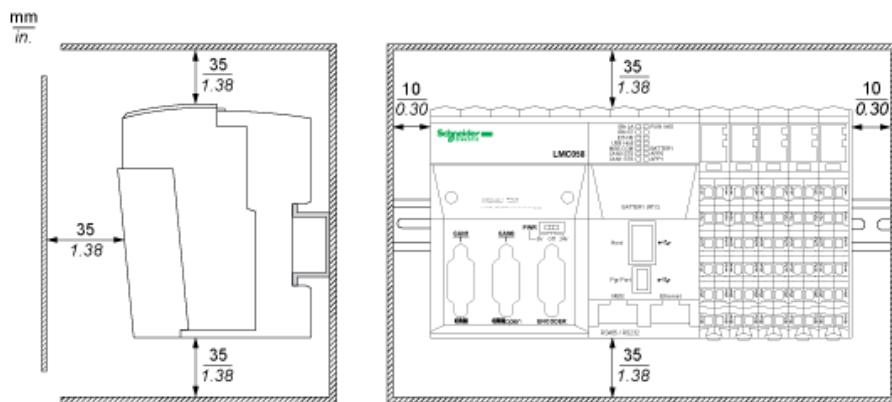
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Dimensions

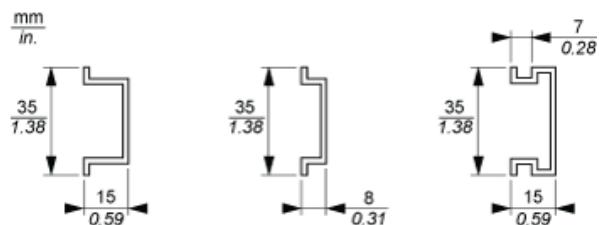


## TM5 System

### Spacing Requirements



### Mounting on a DIN Rail



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### TM5 System Wiring Recommendations

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#### Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in.				
mm <sup>2</sup>	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