Product data sheet
Characteristics

TM5NCO1
CANopen communication module, Modicon TM5, FieldBus Interface

Green Premium™ Product

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
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	0.05 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	-10…55 °C without derating (horizontal installation) -10…60 °C with derating factor (horizontal installation) -10…50 °C (vertical 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	64 g
Package 1 Height	3 cm
Package 1 width	6 cm
Package 1 Length	10.5 cm

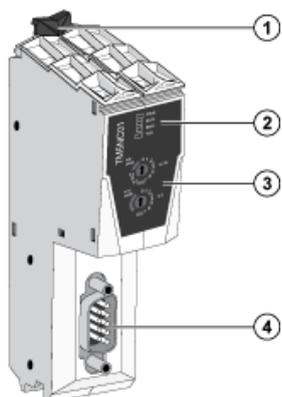## Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

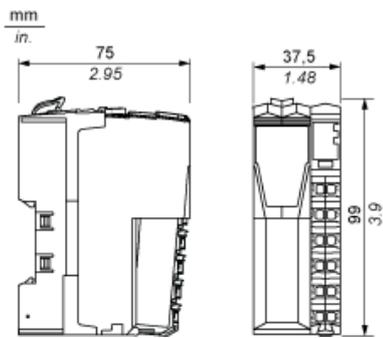|	
Warranty	18 months

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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)
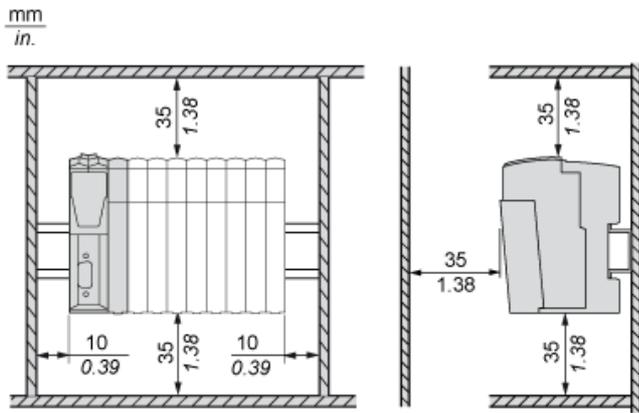
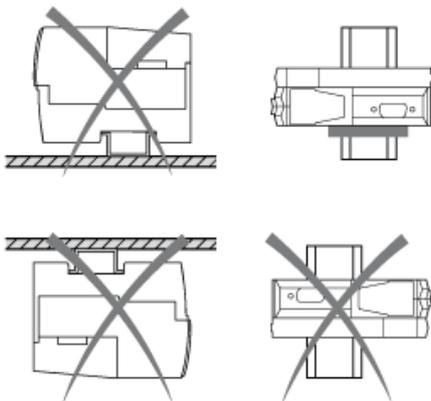## TM5 Field Bus Interface

Dimensions
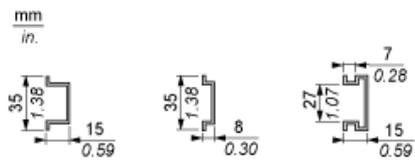
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TM5 System

Spacing Requirements

$\frac{mm}{in.}$

Mounting Position

Mounting on a Din Rail

$\frac{mm}{in.}$

TM5NCO1

TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm / in. ⟶ 9 / 0.35	▭◼	▱◼	◁▭◼	▤▭◼
mm²	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