Specifications





## CANopen communication module, Modicon TM5, FieldBus Interface

TM5NCO1

### 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	-1055 °C without derating (horizontal installation) -1060 °C with derating factor (horizontal installation) -1050 °C (vertical installation)	
Ambient Air Temperature For Storage	-4070 °C	
Relative Humidity	595 % without condensation	

Ip Degree Of Protection	IP20 conforming to IEC 61131-2				
Pollution Degree	2 conforming to IEC 60664				
Operating Altitude	02000 m				
Storage Altitude	03000 m				
Vibration Resistance	1 gn at 8.4150 Hz on DIN rail 3.5 mm at 58.4 Hz on DIN rail				
Shock Resistance	15 gn for 11 ms				
Resistance To Electrostatic Discharge	4 kV on contact conforming to IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2				
Resistance To Electromagnetic Fields	1 V/m 22.7 GHz conforming to IEC 61000-4-3 10 V/m 80 MHz2 GHz conforming to IEC 61000-4-3				
Resistance To Fast Transients	1 kV (I/O) conforming to IEC 61000-4-4 1 kV (shielded cable) conforming to IEC 61000-4-4 2 kV (power lines) conforming to IEC 61000-4-4				
Surge Withstand	0.5 kV differential mode conforming to IEC 61000-4-5 1 kV common mode conforming to 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 Height	3.200 cm
Package 1 Width	6.000 cm
Package 1 Length	10.500 cm
Package 1 Weight	64.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.539 kg

## **Contractual warranty**

Warranty

18 months

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance

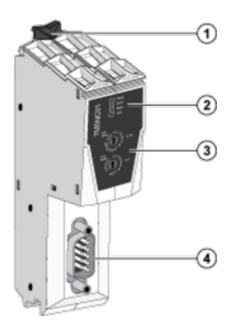
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes
Pvc Free

### **Certifications & Standards**

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins		
Circularity Profile	End of Life Information		

### Presentation

### **CANopen Interface Module**

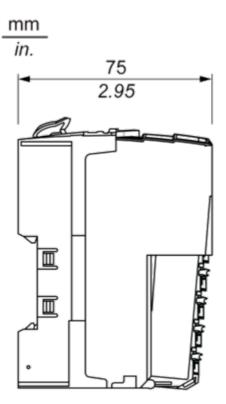


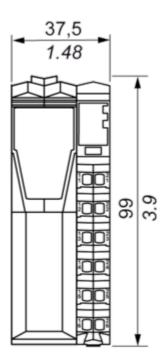
- (1) Locking clip(2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

**Dimensions Drawings** 

#### TM5 Field Bus Interface

#### Dimensions



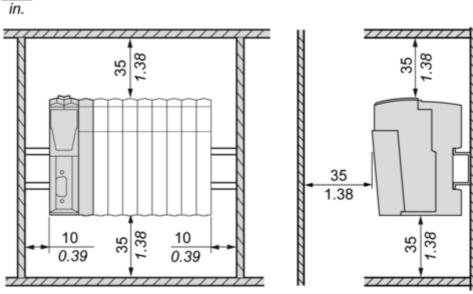


Mounting and Clearance

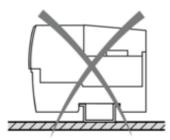
#### TM5 System

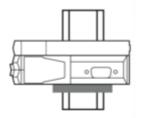
#### **Spacing Requirements**

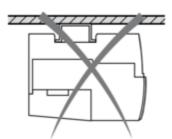


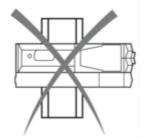


### **Mounting Position**

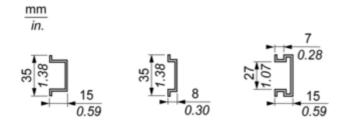








Mounting on a Din Rail



Connections and Schema

#### TM5 System Wiring Recommendations

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

mm in.	9 0.35		å		æ
	mm <sup>2</sup>	0,082,5	0,252,5	0,251,5	2 x 0,252 x 0,75
	AWG	2814	2414	2416	2 x 242 x 18

23-Apr-2024