

Product datasheet

Specifications



Composition of IO(TM5NCO1)+term
block(TM5ACTB12PS)
+base(TM5ACBN1)+power(TM5SP
S3)

TM5NCO1K

EAN Code: 3595864154770

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 (TxD)
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

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

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 IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2
Resistance To Electromagnetic Fields	1 V/m 2...2.7 GHz conforming to IEC 61000-4-3 10 V/m 80 MHz...2 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

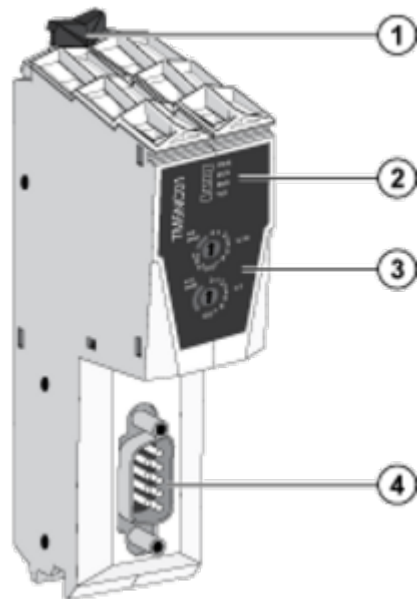
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.000 cm
Package 1 Width	11.000 cm
Package 1 Length	17.500 cm
Package 1 Weight	252.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	19
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.355 kg

Contractual warranty

Warranty	18 months
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Presentation

CANopen Interface Module

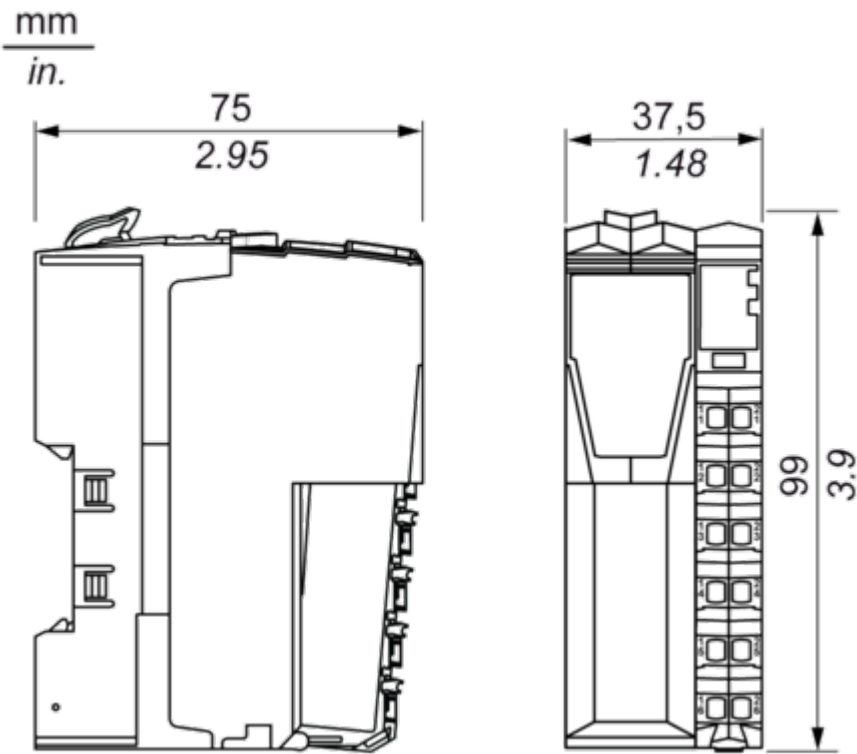


- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

Dimensions Drawings

TM5 Field Bus Interface

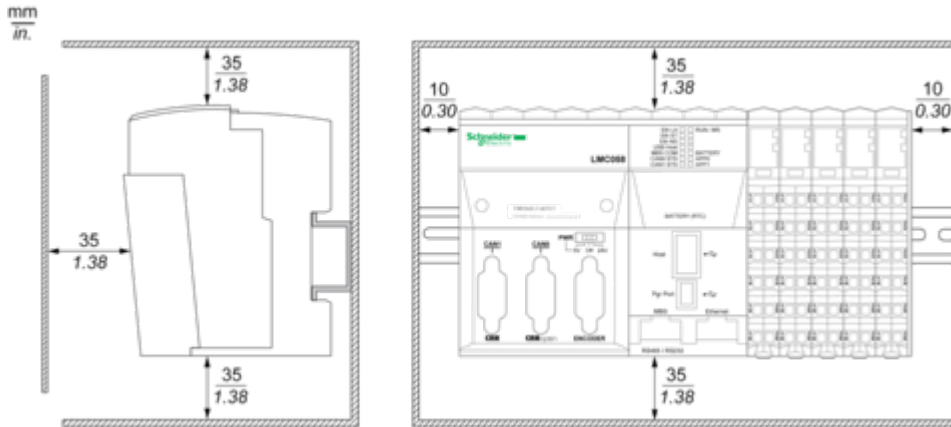
Dimensions



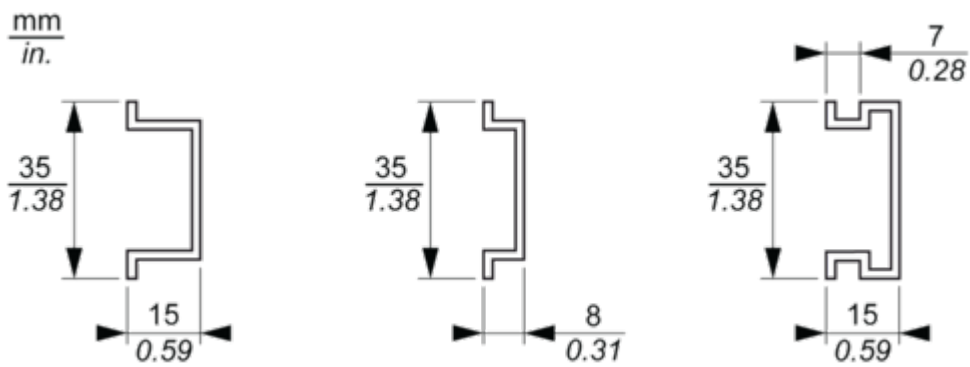
Mounting and Clearance

TM5 System

Spacing Requirements



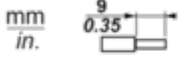
Mounting on a DIN Rail



Connections and Schema

TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

				
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