

TM5NCO1K

CANopen communication module, Modicon TM5, 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
Color	White
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)
Electrical connection	Removable spring terminal block
Marking	CE
Net Weight	0.26 lb(US) (0.12 kg)

Environment

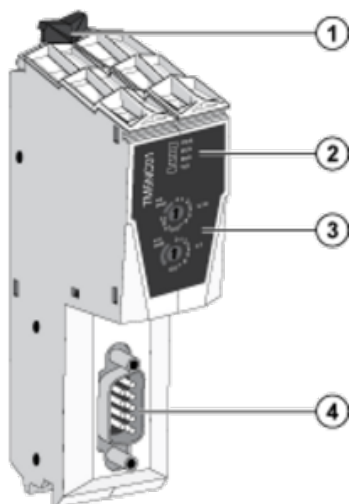
Standards	UL 508 IEC 61131-2 CSA C22.2 No 142 CSA C22.2 No 213
Product Certifications	cULus[RETURN]GOST-R[RETURN]C-tick[RETURN]CSA
Ambient air temperature for operation	14...122 °F (-10...50 °C) vertical installation) 14...131 °F (-10...55 °C) without derating horizontal installation) 14...140 °F (-10...60 °C) with derating factor horizontal installation)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Relative Humidity	5...95 % without condensation
IP degree of protection	IP20IEC 61131-2
Pollution degree	2 IEC 60664
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0.00...9842.52 ft (0...3000 m)
Vibration resistance	1 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz DIN rail

Shock resistance	15 gn 11 ms
Resistance to electrostatic discharge	4 KV on contact IEC 61000-4-2 8 kV in air IEC 61000-4-2
Resistance to electromagnetic fields	0.91 V/M (1 V/m) 2...2.7 GHz IEC 61000-4-3 9.14 V/m (10 V/m) 80 MHz...2 GHz IEC 61000-4-3
Resistance to fast transients	1 KV IEC 61000-4-4 I/O) 1 KV IEC 61000-4-4 shielded cable) 2 kV IEC 61000-4-4 power lines)
Surge withstand	0.5 KV differential mode IEC 61000-4-5 1 kV common mode 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	2.36 in (6.000 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	6.89 in (17.500 cm)
Package 1 Weight	8.89 oz (252.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	15
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	11.79 lb(US) (5.347 kg)

CANopen Interface Module

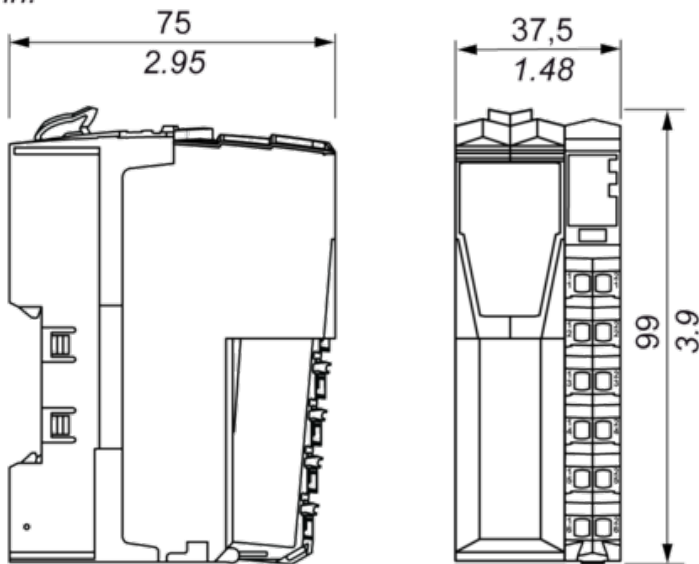


- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

TM5 Field Bus Interface

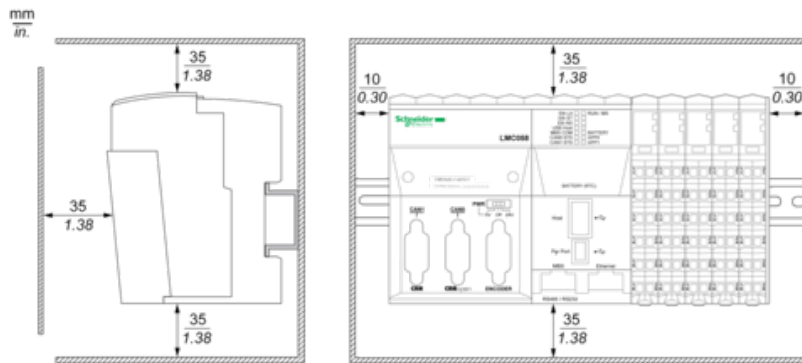
Dimensions

mm
in.

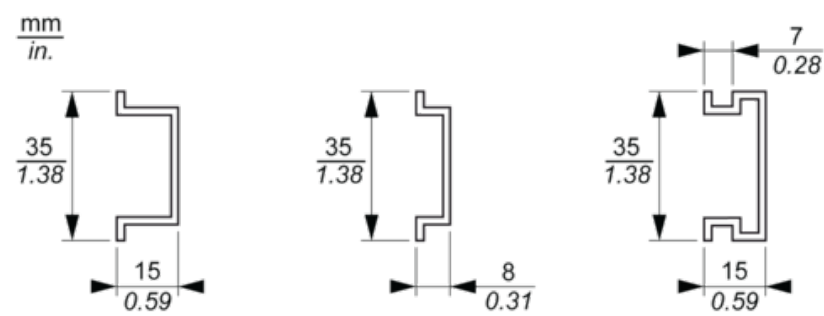


TM5 System

Spacing Requirements








Mounting on a DIN Rail



TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

$\frac{\text{mm}}{\text{in.}}$ 				
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