



Main

Range of product	Modicon TM3
Product or component type	Remote transmitter module
Range compatibility	Modicon M251 Modicon M241 Modicon M221

Complementary

Current consumption	100 mA at 5 V DC via bus connector at state on 30 mA at 5 V DC via bus connector at state off
Power dissipation in W	<= 0.6 W
Cable length	0.5...5 m extension cable with 2 RJ45 conductor between receiver and transmitter
Local signalling	1 LED green for power supply 1 LED green for link status
Electrical connection	RJ45 connector for connecting the bus receiver Screw connector terminal for connecting the functional ground
Marking	CE
Resistance to electrostatic discharge	8 kV in air - EN/IEC 61000-4-2 6 kV on contact - EN/IEC 61000-4-2
Resistance to electromagnetic fields	3 V/m (1.4 GHz...2 GHz) - EN/IEC 61000-4-3 1 V/m (2...2.7 GHz) - EN/IEC 61000-4-3 10 V/m (80 MHz...1 GHz) - EN/IEC 61000-4-3
Resistance to conducted disturbances, induced by radio frequency fields	3 Vrms (spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz)) - Marine specification (LR, ABS, DNV, GL) 10 Vrms (0.15...80 MHz) - EN/IEC 61000-4-6
Electromagnetic emission	Radiated emissions - EN/IEC 55011 class A 10 m, 230 MHz...1 GHz : 47 dBµV/m QP Radiated emissions - EN/IEC 55011 class A 10 m, 30...230 MHz : 40 dBµV/m QP
Mounting support	Top hat type TH35-7.5 rail conforming to IEC 60715 Top hat type TH35-15 rail conforming to IEC 60715 Plate or panel with fixing kit
Height	90 mm
Depth	73.3 mm
Width	23.65 mm

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

Product weight	0.065 kg
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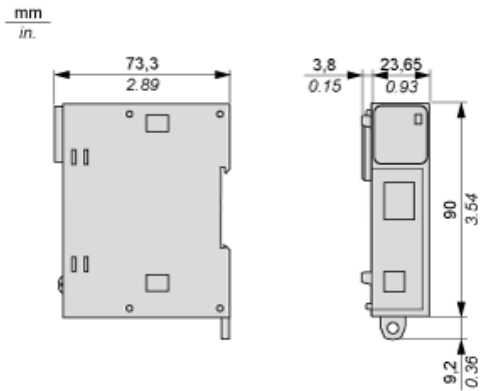
Environment

Standards	CSA C22.2 No 213 (Class I Division 2 Groups A/B/C/D) UL 1604 (Class I Division 2 Groups A/B/C) IEC 61131-2 CSA C22.2 No 142 UL 508
Product certifications	Merchant Navy CSA HazLoc GOST C-Tick
Ambient air temperature for operation	-10...50 °C for vertical installation -10...55 °C for horizontal installation
Ambient air temperature for storage	-40...70 °C
Relative humidity	5...95 % without condensation
IP degree of protection	IP20 with protective cover in place
Pollution degree	2
Operating altitude	0...2000 m
Storage altitude	0...3000 m
Vibration resistance	3.5 mm (vibration frequency: 5...8.4 Hz) on DIN rail 3 gn (vibration frequency: 8.4...150 Hz) on panel 3.5 mm (vibration frequency: 5...8.4 Hz) on panel 3 gn (vibration frequency: 8.4...150 Hz) on DIN rail
Shock resistance	15 gn (test wave duration: 11 ms)

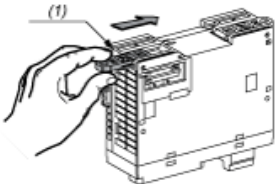
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1408 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Dimensions

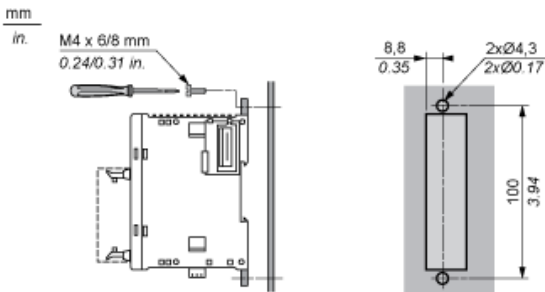


Mounting on a Panel Surface

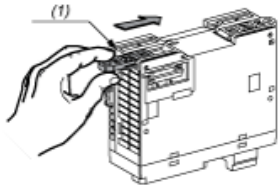


(1) Install a mounting strip

Mounting Hole Layout

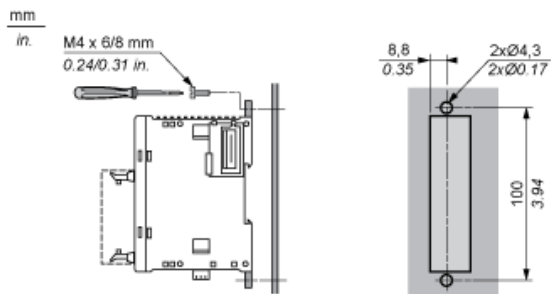


Mounting on a Panel Surface

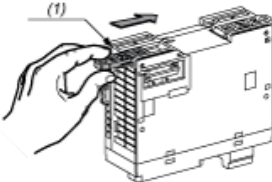


(1) Install a mounting strip

Mounting Hole Layout



Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

