



### Main

Range of product	Modicon TM3
Product or component type	Remote receiver module
Range compatibility	Modicon M241 Modicon M251 Modicon M221
[Us] rated supply voltage	24 V DC for external supply (tolerance: - 15...20 %)

### Complementary

Number of I/O expansion module	7
Power supply output current	560 mA at 5 V for expansion bus 560 mA at 24 V for expansion bus
Current consumption	40 mA at 24 V DC via bus connector
Power dissipation in W	<= 1 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	Removable screw terminal block with 3 terminal(s) for connecting the 24 V DC power supply RJ45 connector for connecting the bus transmitter
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	1 V/m (2...2.7 GHz) - EN/IEC 61000-4-3 10 V/m (80 MHz...1 GHz) - EN/IEC 61000-4-3 3 V/m (1.4 GHz...2 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, 30...230 MHz : 40 dBµV/m QP Radiated emissions - EN/IEC 55011 class A 10 m, 230 MHz...1 GHz : 47 dBµV/m QP
Mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 Plate or panel with fixing kit

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

Height	90 mm
Depth	73.3 mm
Width	23.65 mm
Product weight	0.075 kg

## Environment

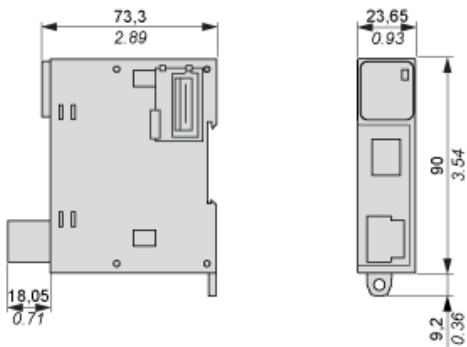
Standards	CSA C22.2 No 142 UL 508 IEC 61131-2 CSA C22.2 No 213 (Class I Division 2 Groups A/B/C/D) UL 1604 (Class I Division 2 Groups A/B/C)
Product certifications	GOST CSA HazLoc Merchant Navy C-Tick
Ambient air temperature for operation	-10...55 °C for horizontal installation -10...50 °C for vertical 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 3.5 mm (vibration frequency: 5...8.4 Hz) on panel 3 gn (vibration frequency: 8.4...150 Hz) on DIN rail 3 gn (vibration frequency: 8.4...150 Hz) on panel
Shock resistance	15 gn (test wave duration:11 ms)

## Offer Sustainability

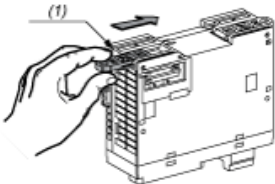
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1408 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above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

Dimensions

mm  
in.

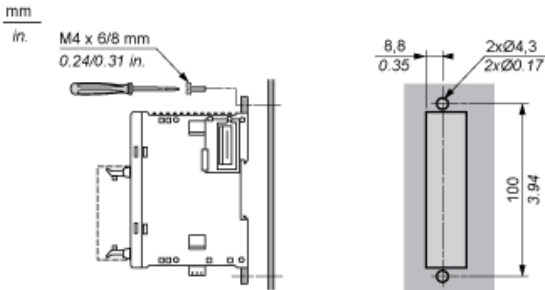


Mounting on a Panel Surface



(1) Install a mounting strip

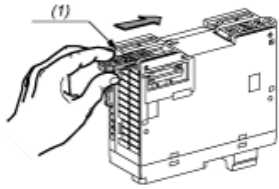
Mounting Hole Layout



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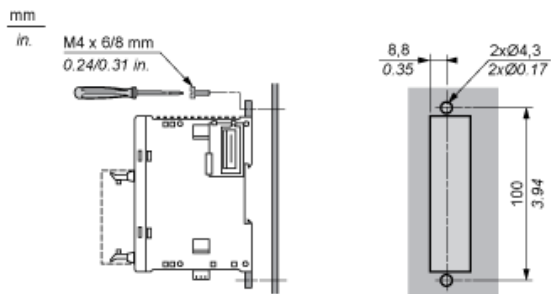
Mounting on a Panel Surface

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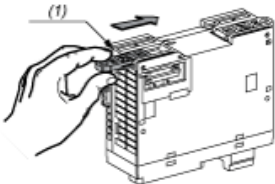


(1) Install a mounting strip

Mounting Hole Layout



Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

