Product data sheet

Specifications

remote transmitter module, Modicon TM3

TM3XTRA1

Main

Range of product	Modicon TM3
Product or component type	Remote transmitter module
Range compatibility	Modicon M241 Modicon M251 Modicon M221 Modicon M262

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
Maximum power dissipation in W	0.6 W
Cable distance between devices	0.5…5 mm 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 conforming to IEC 61000-4-2 6 kV on contact conforming to IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m 80 MHz...1 GHz conforming to IEC 61000-4-3 3 V/m 1.4 GHz...2 GHz conforming to IEC 61000-4-3 1 V/m 2...2.7 GHz conforming to IEC 61000-4-3
Resistance to conducted disturbances	10 V 0.15...80 MHz conforming to IEC 61000-4-6 3 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) conforming to Marine specification (LR, ABS, DNV, GL)
Electromagnetic emission	Radiated emissions - test level: 40 dBµV/m QP class A (10 m) at 30…230 MHz conforming to IEC 55011 Radiated emissions - test level: 47 dBµV/m QP class A (10 m) at 230…1000 MHz conforming to IEC 55011
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
Height	90 mm
Depth	73.3 mm
Width	23.65 mm
Net weight	0.065 kg

Environment

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Standards	Class I Division 2 Groups A/B/C/D CSA C22.2 No 213
	Class I Division 2 Groups A/B/C UL 1604
	CSA C22.2 No 142
	IEC 61131-2
	UL 508

Product certifications	Merchant Navy
	C-Tick
	GOST
	CSA HazLoc
	CE
	UKCA
	RCM
	EAC
	cULus

Ambient air temperature for operation	-10…55 °C (horizontal installation)
	-10…50 °C (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 at 5…8.4 Hz on DIN rail
	3 gn at 8.4…150 Hz on DIN rail
	3.5 mm at 5…8.4 Hz on panel
	3 gn at 8.4…150 Hz on panel

Shock resistance	15 gn for 11 ms

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.400 cm
Package 1 Width	10.600 cm
Package 1 Length	12.700 cm
Package 1 Weight	166.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.783 kg
Unit Type of Package 3	P06
Number of Units in Package 3	144
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	37.000 kg

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♲ Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

🍃 Environmental footprint

Total lifecycle Carbon footprint	**27**
Environmental Disclosure	**Product Environmental Profile**

Use Better

⊗ Materials and Substances

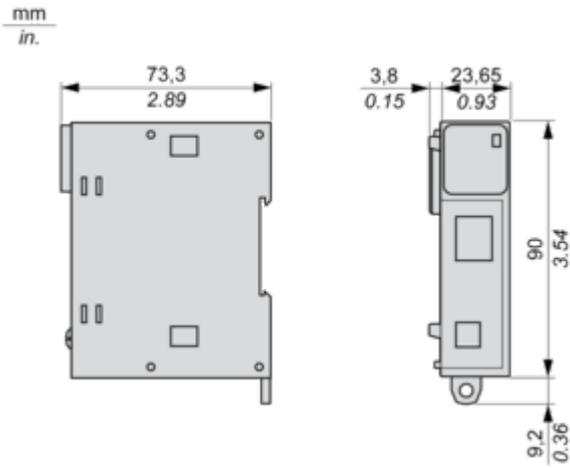|	
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**91cf81c4-f22d-428b-a036-2e24fcc66509**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**
PVC free	**Yes**

Use Again

↻ Repack and remanufacture

End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

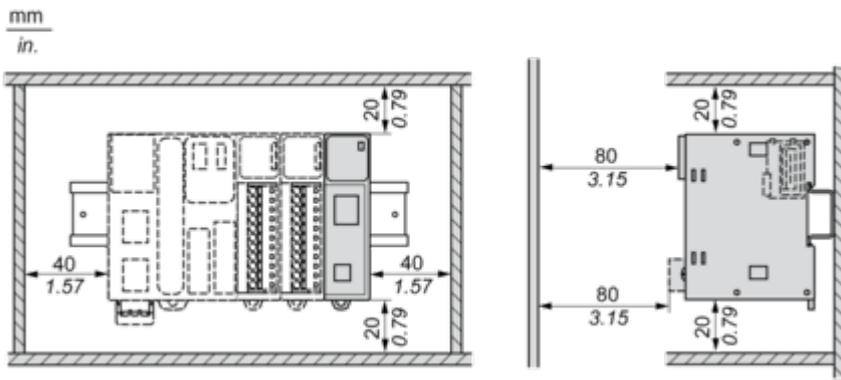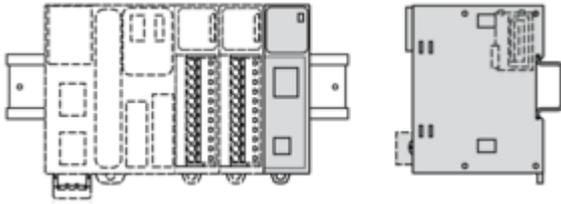Dimensions Drawings

Dimensions

mm
in.

73,3
2.89

3,8
0.15

23,65
0.93

90
3.54

9.2
0.36

Mounting and Clearance

Spacing Requirements

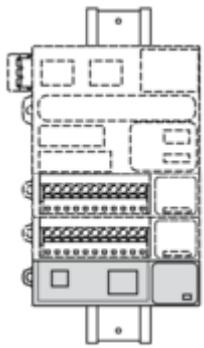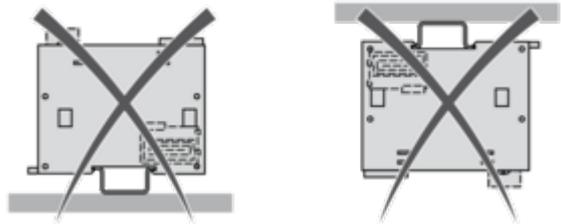## Mounting on a Rail

Vertical Mounting

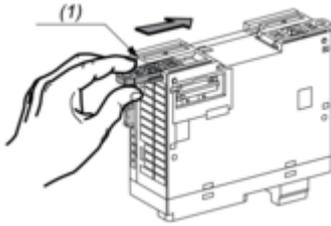## Incorrect Mounting

Mounting on a Panel Surface

(1) Install a mounting strip

Mounting Hole Layout