Product datasheet

Specifications



remote receiver module TM3 - bus

TM3XREC1

Main

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

Complementary

Maximum number of I/O expansion module	7
[Us] rated supply voltage	24 V DC by external supply (- 15...20 %)
Power supply output current	560 mA 5 V for expansion bus 560 mA 24 V for expansion bus
Current consumption	40 mA at 24 V DC via bus connector
Maximum power dissipation in W	1 W
Cable distance between devices	0.5…5 mm extension cable with 2 RJ45 conductor between receiver and transmitter
Electrical connection	RJ45 connector for connecting the bus transmitter removable screw terminal block, 3 terminal(s) for connecting the 24 V DC power supply
Local signalling	1 LED green for power supply 1 LED green for Link (Link Status)
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
Width	23.65 mm
Depth	73.3 mm
Net weight	0.075 kg

Environment

IP degree of protection	IP20
Marking	CE

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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 certifications	Merchant Navy GOST C-Tick CSA HazLoc CE UKCA RCM EAC CULus
Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D UL 1604 Class 1 Division 2 CSA C22.2 No 142 IEC 61131-2 UL 508
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
Operating altitude	0...2000 m
Pollution degree	2
Vibration resistance	3.5 mm (f = 5…8.4 Hz) on DIN rail 3 gn (f = 8.4…150 Hz) on DIN rail 3.5 mm (f = 5…8.4 Hz) on panel mounting 3 gn (f = 8.4…150 Hz) on panel mounting
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	7.414 cm
Package 1 Width	10.483 cm
Package 1 Length	12.587 cm
Package 1 Weight	160.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.631 kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	75 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	40 kg

Contractual warranty

Warranty (in months)	18

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	**21 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**20 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**91cf81c4-f22d-428b-a036-2e24fcc66509**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
PVC free	**Yes**

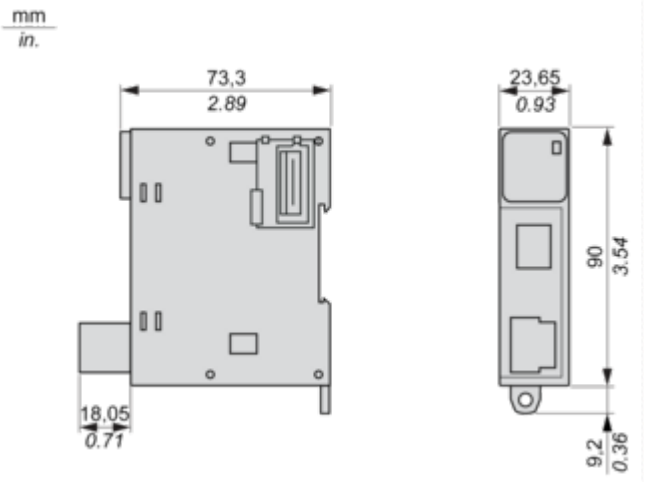
Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
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**

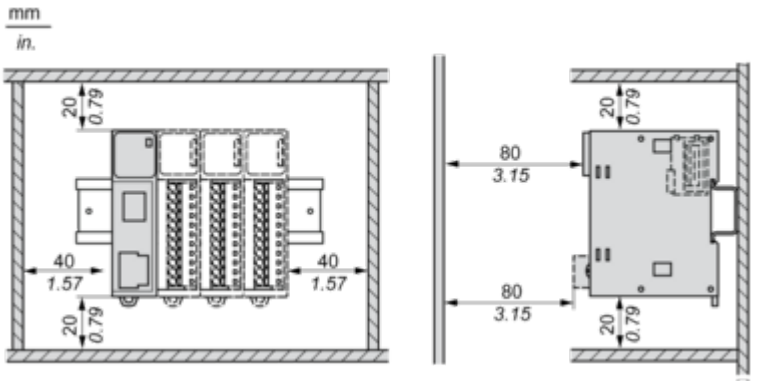
Dimensions Drawings

Dimensions

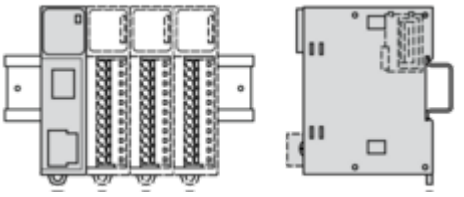


Mounting and Clearance

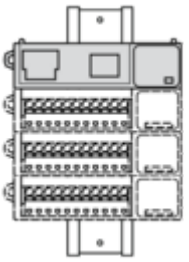
Spacing Requirements



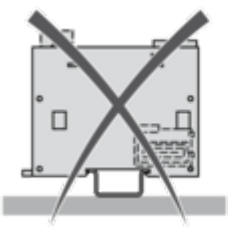
Mounting on a Rail

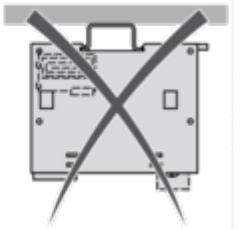


Vertical Mounting

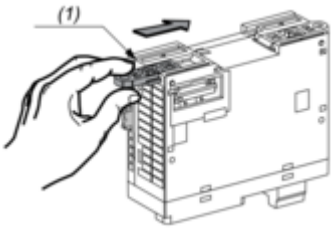


Incorrect Mounting





Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

