Product data sheet

Specifications

remote receiver module, Modicon TM3

TM3XREC1

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon TM3
Product or Component Type	Remote receiver module
Range Compatibility	Modicon M221 Modicon M251 Modicon M241 Modicon M262
[Us] rated supply voltage	24 V DC external supply - 15...20 %)

Complementary

Maximum Number of I/O Expansion Module	7
Power supply output current	560 mA 5 V expansion bus 560 mA 24 V expansion bus
Current consumption	40 mA 24 V DC via bus connector
Maximum power dissipation in W	1 W
Cable distance between devices	0.02…0.2 in (0.5…5 mm) extension cable 2 RJ45 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 transmitter removable screw terminal block, 3 for connecting the 24 V DC power supply
Marking	CE
Resistance to electrostatic discharge	8 kV in air IEC 61000-4-2 6 kV on contact IEC 61000-4-2
Resistance to electromagnetic fields	9.1 V/m (10 V/m) 80 MHz...1 GHz IEC 61000-4-3 2.7 V/m (3 V/m) 1.4 GHz...2 GHz IEC 61000-4-3 0.9 V/m (1 V/m) 2...2.7 GHz IEC 61000-4-3
Resistance to conducted disturbances	10 V 0.15...80 MHz IEC 61000-4-6 3 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) Marine specification (LR, ABS, DNV, GL)
Electromagnetic emission	Radiated emissions 40 dBμV/m QP class A 10 m)30…230 MHz IEC 55011 Radiated emissions 47 dBμV/m QP class A 10 m)230…1000 MHz IEC 55011
Mounting support	Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail IEC 60715 plate or panel with fixing kit
Height	3.5 in (90 mm)
Depth	2.9 in (73.3 mm)
Width	0.93 in (23.65 mm)
Product Weight	0.165 lb(US) (0.075 kg)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Environment

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 GOST C-tick CSA HazLoc CE UKCA RCM EAC cULus
Ambient air temperature for operation	14…131 °F (-10…55 °C) horizontal installation) 14…122 °F (-10…50 °C) vertical installation)
Ambient Air Temperature for Storage	-40…158 °F (-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...6561.68 ft (0...2000 m)
Storage altitude	0…9842.5 ft (0…3000 m)
Vibration resistance	3.5 mm 5…8.4 Hz DIN rail 3 gn 8.4…150 Hz DIN rail 3.5 mm 5…8.4 Hz panel 3 gn 8.4…150 Hz panel
Shock resistance	15 gn 11 ms

Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
GTIN	3606480611247
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.92 in (7.414 cm)
Package 1 Width	4.13 in (10.483 cm)
Package 1 Length	4.96 in (12.587 cm)
Package weight(Lbs)	5.6 oz (160.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	8.005 lb(US) (3.631 kg)

Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	29.53 in (75 cm)
Package 3 Width	23.62 in (60 cm)
Package 3 Length	31.50 in (80 cm)
Package 3 Weight	88.2 lb(US) (40 kg)

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

Carbon footprint (kg CO2 eq, Total Life cycle)	**21**
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

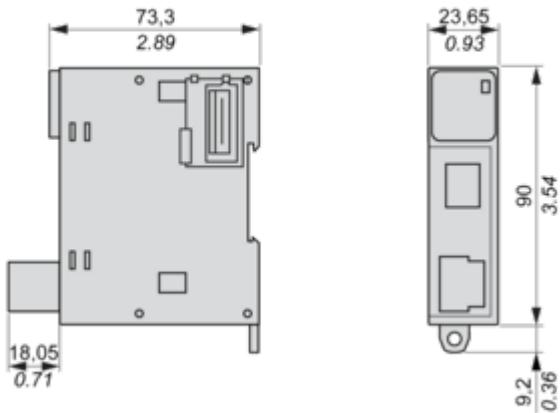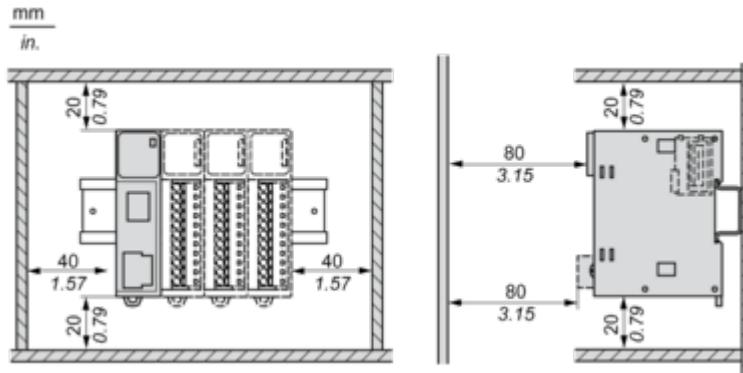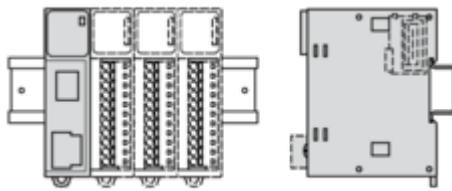|	
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Dimensions
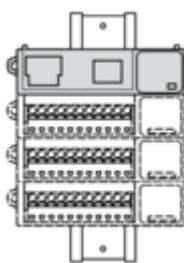
Mounting and Clearance

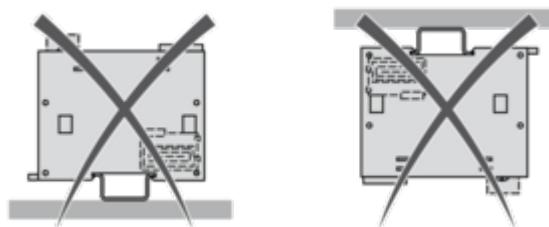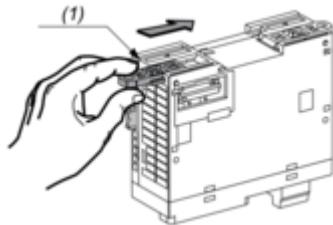### Spacing Requirements

Mounting on a Rail

Vertical Mounting

Incorrect Mounting

Mounting on a Panel Surface

(1) Install a mounting strip

Mounting Hole Layout