Product data sheet

Specifications

discrete IO module, Modicon TM3, 24 IO, 16 inputs, 8 relay outputs, spring, 24V DC

TM3DM24RG

Main

Range of product	Modicon TM3
Product or component type	Discrete I/O module
Range compatibility	Modicon M241 Modicon M251 Modicon M221 Modicon M262
Discrete output logic	Positive or negative

Complementary

Mechanical durability	20000000 cycles
Maximum cable distance between devices	Unshielded cable: <30 m for regular input
Local signalling	1 LED per channel (green) for I/O state
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	42.9 mm
Depth	84.6 mm

Environment

Marking	CE
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	12.5 cm
Package 1 Length	10.5 cm
Package 1 Weight	270.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	9
Package 2 Height	15 cm
Package 2 Width	30 cm

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Package 2 Length	40 cm
Package 2 Weight	2.787 kg
Unit Type of Package 3	P12
Number of Units in Package 3	288
Package 3 Height	75 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	96 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	**25**
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)**
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

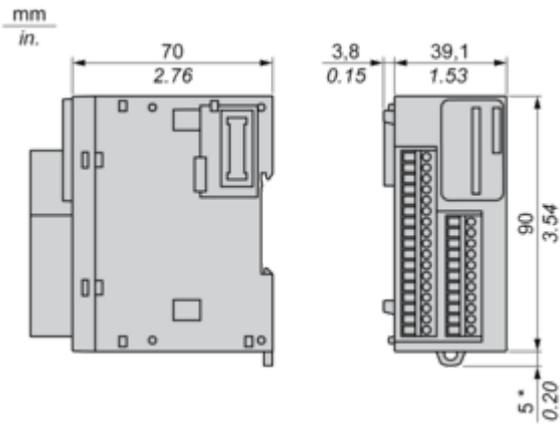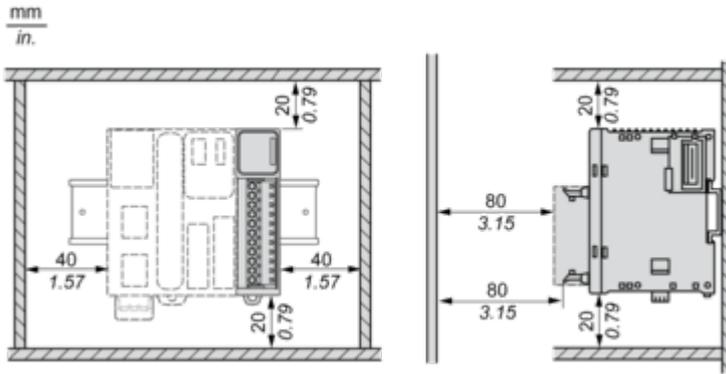|	
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

Dimensions

(*) 8.5 mm/0.33 in. when the clamp is pulled out.
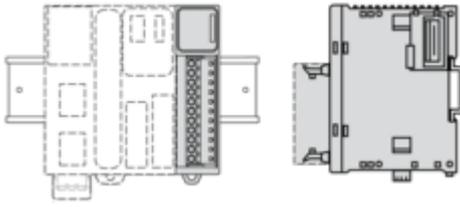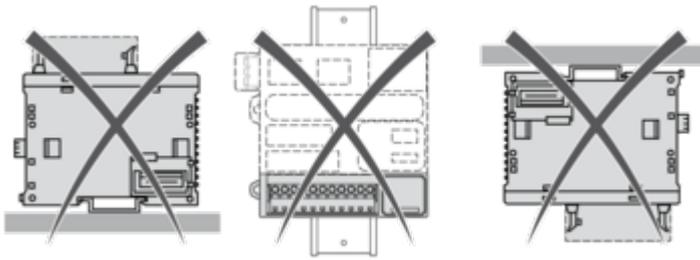
Mounting and Clearance

Spacing Requirements
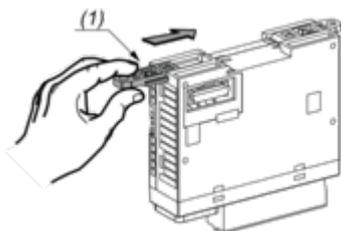
Mounting on a Rail
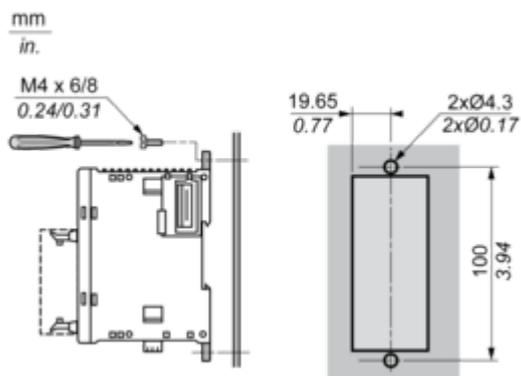

Incorrect Mounting

Mounting on a Panel Surface
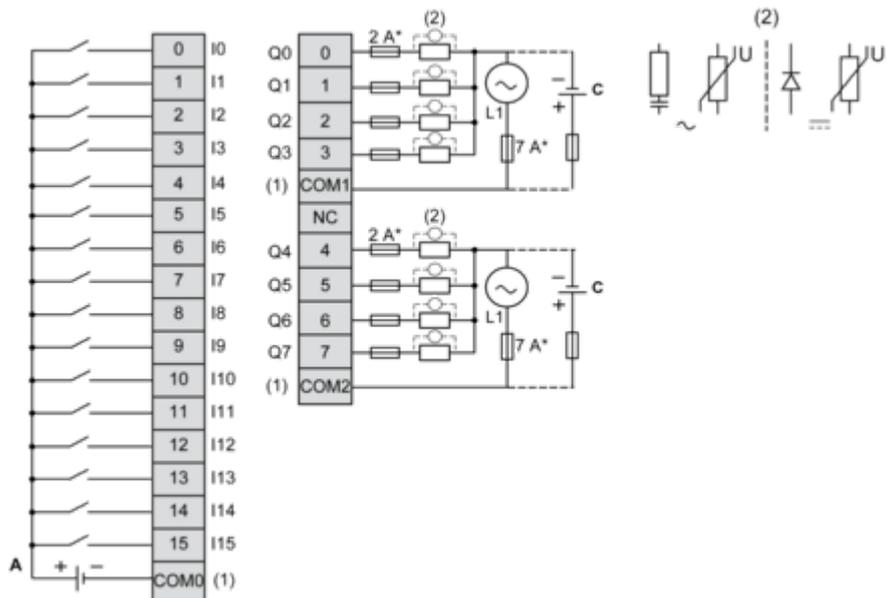
(1) Install a mounting strip

Mounting Hole Layout

Connections and Schema

Digital Mixed I/O Module (24-channel)

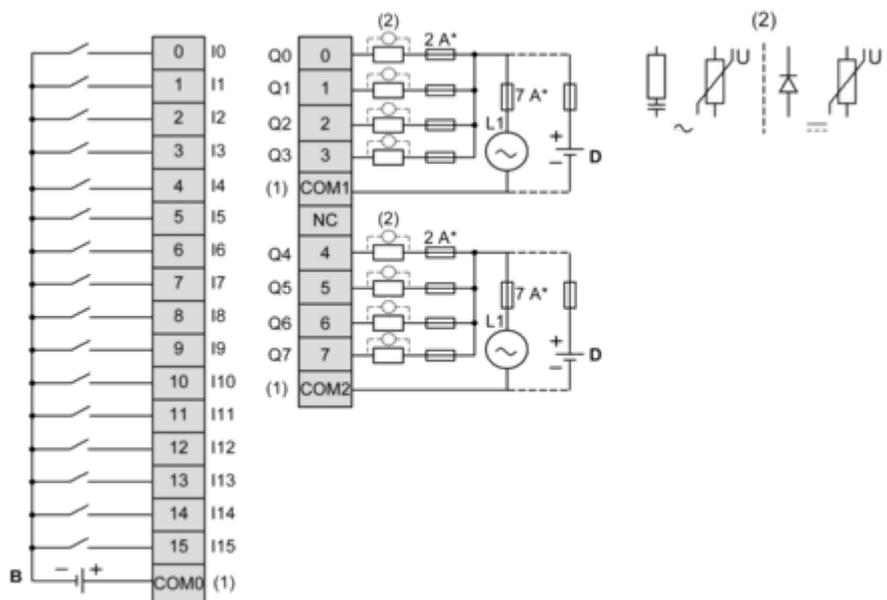**Wiring Diagram (Source)**

(*) Type T fuse
(1) The COM0, COM1 and COM2 terminals are **not** connected internally.
(2) To improve the life time of the contacts, and to protect from potential inductive load damage, it is recommended to connect a free wheeling diode in parallel to each inductive DC load or an RC snubber in parallel of each inductive AC load.
(A) Sink wiring (positive logic)
(C) Source wiring (positive logic)

Wiring Diagram (Sink)

(*) Type T fuse
(1) The COM0, COM1 and COM2 terminals are **not** connected internally.
(2) To improve the life time of the contacts, and to protect from potential inductive load damage, it is recommended to connect a free wheeling diode in parallel to each inductive DC load or an RC snubber in parallel of each inductive AC load.

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(B) Source wiring (negative logic)
(D) Sink wiring (negative logic)