Product data sheet

Specifications

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

TM3DM24R

Product availability: Stock - Normally stocked in distribution facility

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 <98.4 ft (30 m) regular input
Local signalling	1 LED per channel (green) for I/O state
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)
Width	1.7 in (42.9 mm)
Depth	3.3 in (84.6 mm)

Environment

Marking	CE
Pollution degree	2

Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
GTIN	3606480611544
Returnability	Yes
Country of origin	TW

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.973 in (7.551 cm)

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

Package 1 Width	4.207 in (10.686 cm)
Package 1 Length	5.059 in (12.849 cm)
Package weight(Lbs)	9.9 oz (281.0 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	42
Package 2 Height	12.05 in (30.6 cm)
Package 2 Width	15.8 in (40.1 cm)
Package 2 Length	22.7 in (57.6 cm)
Package 2 Weight	27.80 lb(US) (12.61 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	504
Package 3 Height	41.3 in (105 cm)
Package 3 Width	47.2 in (120 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	317.5 lb(US) (144 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)	26
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

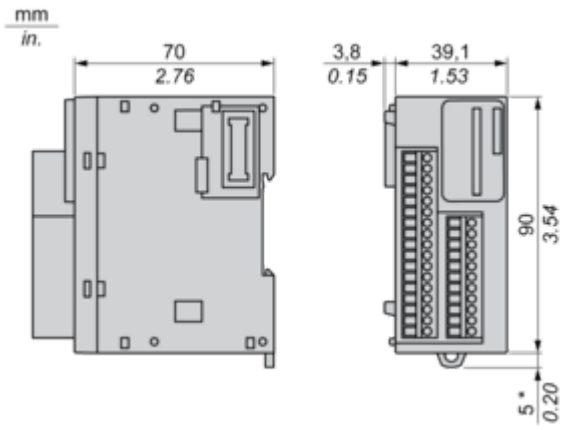
Use Again

Repack and remanufacture

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

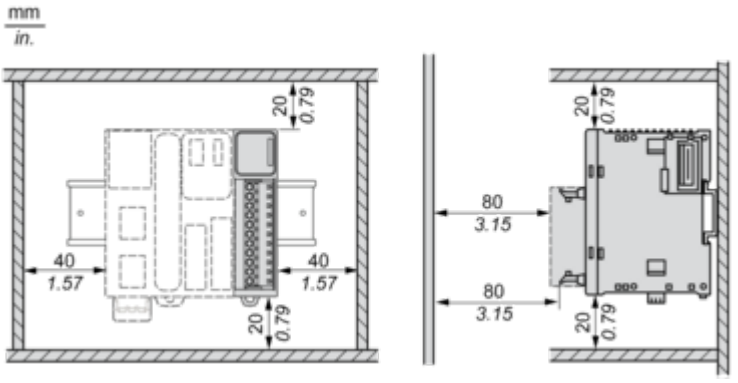
Dimensions



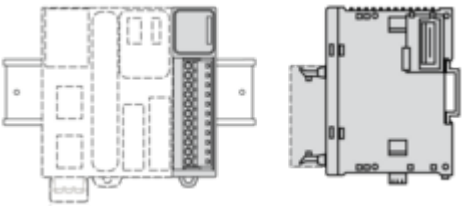
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

Mounting and Clearance

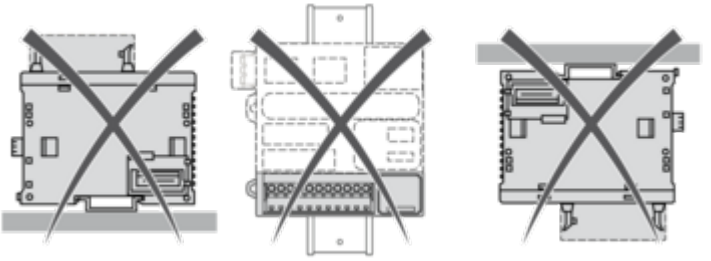
Spacing Requirements



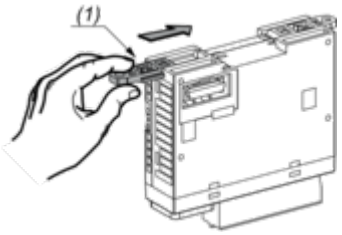
Mounting on a Rail



Incorrect Mounting

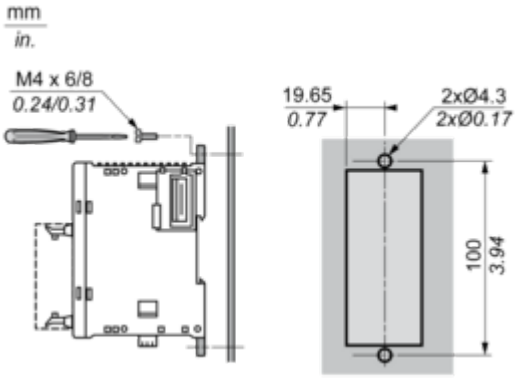


Mounting on a Panel Surface



(1) Install a mounting strip

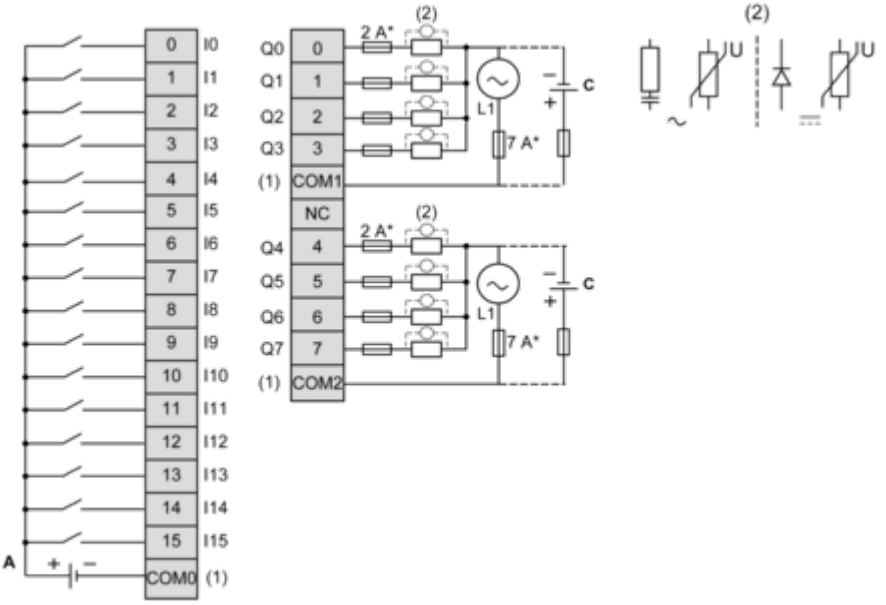
Mounting Hole Layout



Connections and Schema

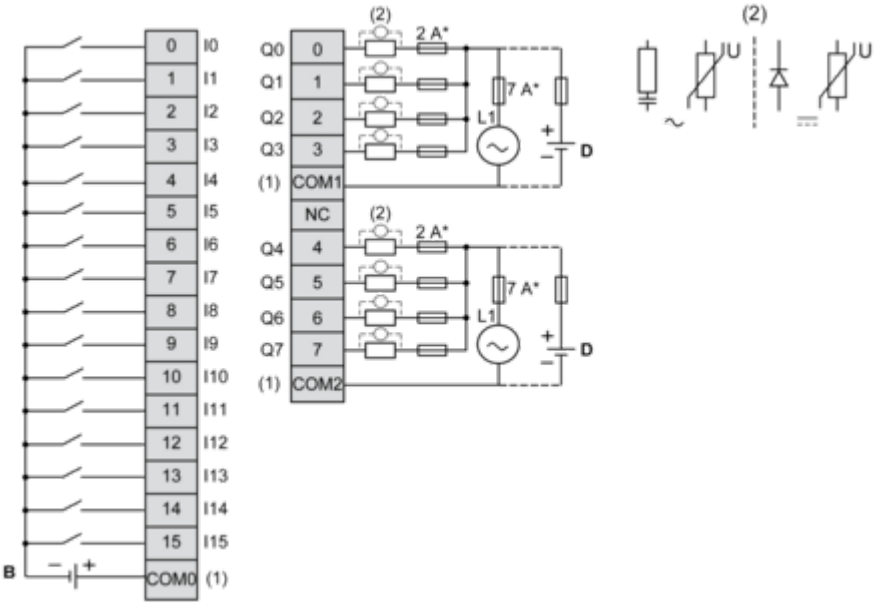
Digital Mixed I/O Module (24-channel)

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.

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