

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

TM3DM24R

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	7.551 cm
Package 1 Width	10.686 cm
Package 1 Length	12.849 cm
Package 1 Weight	281.0 g
Unit Type of Package 2	CAR
Number of Units in Package 2	42
Package 2 Height	30.6 cm
Package 2 Width	40.1 cm

Package 2 Length	57.6 cm
Package 2 Weight	12.61 kg
Unit Type of Package 3	P12
Number of Units in Package 3	504
Package 3 Height	105 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	144 kg



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	26
Environmental Disclosure	Product Environmental Profile

Use Better

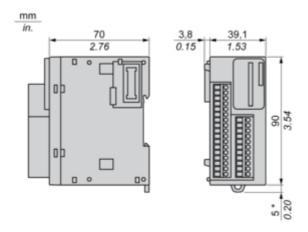
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, 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



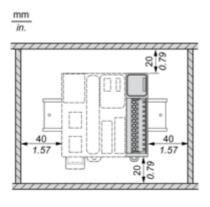
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

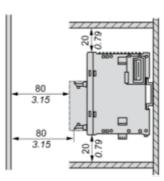
Product data sheet

TM3DM24R

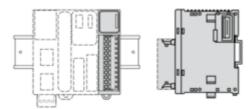
Mounting and Clearance

Spacing Requirements

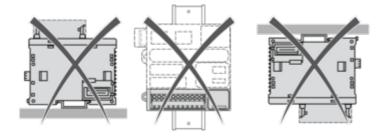




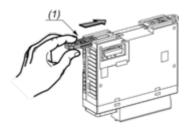
Mounting on a Rail



Incorrect Mounting

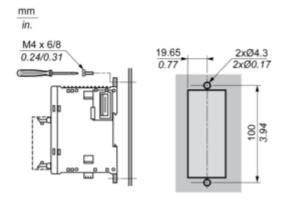


Mounting on a Panel Surface



(1) Install a mounting strip

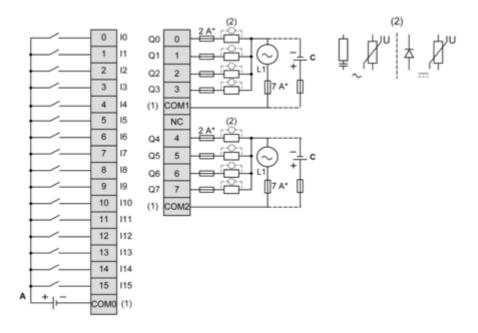
Mounting Hole Layout



Connections and Schema

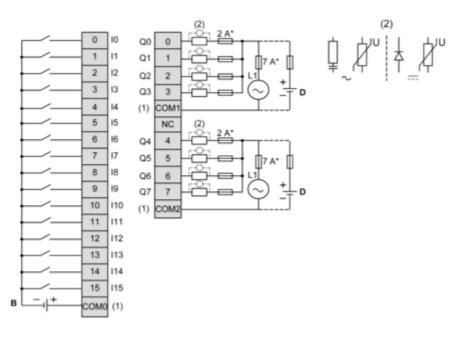
Digital Mixed I/O Module (24-channel)

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 ${f not}$ 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)