

discrete I/O module, Modicon TM3, 8 IO, 4 inputs, 4 relay outputs, screw, 24V DC

TM3DM8R

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 | 27.4 mm | |
| Depth | 84.6 mm | |
| Product weight | 0.95 kg | |

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 | 230.0 g |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 42 |
| Package 2 Height | 30 cm |

| Package 2 Width | 40 cm |
|------------------------------|-----------|
| Package 2 Length | 60 cm |
| Package 2 Weight | 10.643 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 | 138 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 | 76 |
| 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 |

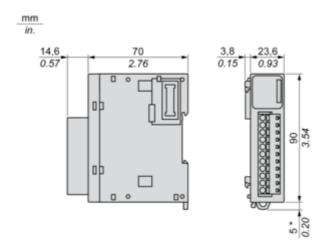
Use Again

| ○ 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 |

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Dimensions Drawings

Dimensions



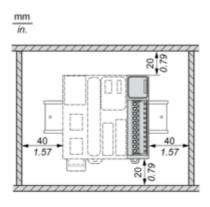
(*) 8.5 mm/0.33 in. when the clamp is pulled out.

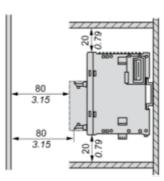
Product data sheet

TM3DM8R

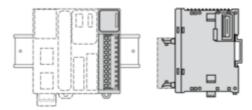
Mounting and Clearance

Spacing Requirements

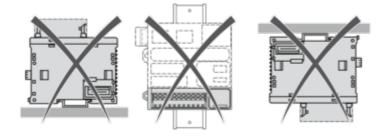




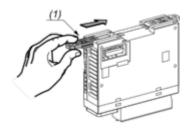
Mounting on a Rail



Incorrect Mounting

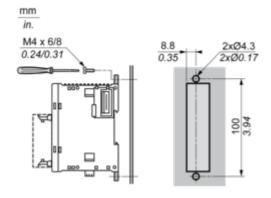


Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

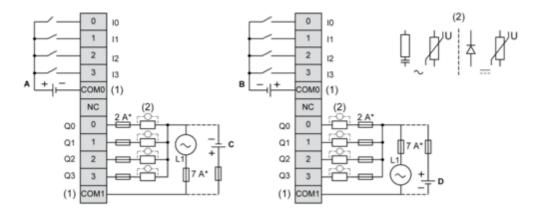


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Connections and Schema

Digital Mixed I/O Module (8-channel)

Wiring Diagram (Sink / Source)



- (*) Type T fuse
- (1) The COM0 and COM1 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)
- (B) Source wiring (negative logic)
- (C) Source wiring (positive logic)
- (D) Sink wiring (negative logic)