

Product datasheet

Specifications



Discrete I/O module, Modicon TM3, 32 IO (16 digital inputs, 16 digital outputs, screw)

TM3RDM32R

⚠ Discontinued on: 01 Dec 2024

⚠ To be discontinued

Price: 10,462.73 ZAR

Main

Range of product	Modicon TM3
Product or component type	Discrete I/O module
Range compatibility	Modicon Easy M200
Discrete input number	16
Discrete input voltage	24 V DC
Discrete input logic	Sink or source (positive/negative)
Discrete output logic	Positive or negative

Complementary

Discrete input number	16 conforming to IEC 61131-2 Type 1
Discrete input current	5 mA input
Voltage state 1 guaranteed	Input: 15...28.8 V
Voltage state 0 guaranteed	0...5 V input
Current state 1 guaranteed	>= 2.5 mA input
Current state 0 guaranteed	<= 1 mA input
Input impedance	4.7 kOhm
Discrete output number	16 at 24 V DC at 240 V AC
Discrete output current	2000 mA relay output
Mechanical durability	20000000 cycles
Typical current consumption	80 mA at 24 V DC 95 mA at 5 V DC
Electrical connection	11 x 1.5 mm ² removable screw terminal block with pitch 3.81 mm adjustment for outputs 9 x 1.5 mm ² removable screw terminal block with pitch 3.81 mm adjustment for inputs
Maximum cable distance between devices	Unshielded cable: <50 m for input Unshielded cable: <150 m for output
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	51 mm
Depth	84.6 mm

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Net weight	0.208 kg
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Environment

Protective treatment	None
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Marking	CE
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Ambient air temperature for operation	0...55 °C (horizontal installation)
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Ambient air temperature for storage	-25...70 °C
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Relative humidity	10...95 % without condensation for operation 10...95 % without condensation for storage
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Operating altitude	0...2000 m
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Pollution degree	2
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Vibration resistance	3.5 mm (f = 5...8.4 Hz) on DIN rail 3 gn (f = 8.4...150 Hz) on DIN rail 3.5 mm (f = 5...8.4 Hz) on panel mounting 3 gn (f = 8.4...150 Hz) on panel mounting
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Shock resistance	15 gn for 11 ms
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	7.500 cm
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Package 1 Width	10.500 cm
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Package 1 Length	12.500 cm
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Package 1 Weight	286.000 g
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Unit Type of Package 2	S03
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Number of Units in Package 2	26
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Package 2 Height	30.000 cm
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Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	7.847 kg
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Unit Type of Package 3	P12
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Number of Units in Package 3	208
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Package 3 Height	45.000 cm
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Package 3 Width	80.000 cm
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Package 3 Length	120.000 cm
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Package 3 Weight	74.776 kg
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Contractual warranty

Warranty (in months)	18
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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	153 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	147 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.

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

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No