



Price* : 109.00 USD



Main

Range of product	Modicon TM3
Product or component type	Discrete output module
Range compatibility	Modicon M241 Modicon M251 Modicon M221 Modicon M262
Discrete output type	Transistor
Discrete output number	8
Discrete output logic	Negative logic (sink)
Discrete output voltage	24 V DC transistor output
Discrete output current	50 mA transistor output

Complementary

Discrete I/O number	8
Current consumption	5 mA 5 V DC via bus connector at state off) 0 mA 24 V DC via bus connector at state off) 20 mA 24 V DC via bus connector at state on) 10 mA 5 V DC via bus connector at state on)
Response time	450 µs turn-on) 450 µs turn-off)
Maximum leakage current	0.1 mA transistor output
Maximum voltage drop	<0.4 V
Local signalling	Output status 1 LED per channel green)
Electrical connection	11 x 2.5 mm ² removable screw terminal block pitch 5.08 mm for outputs
Maximum cable distance between devices	Unshielded cable <98.43 ft (30 m) transistor output
Insulation	Between output and internal logic 500 V AC Non-insulated between outputs
Marking	CE

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

Oct 10, 2020

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
Maximum Height	3.54 in (90 mm)
Maximum Depth	3.33 in (84.6 mm)
Maximum Width	1.08 in (27.4 mm)
Net Weight	1.68 lb(US) (0.76 kg)

Environment

Standards	EN/IEC 61131-2 EN/IEC 61010-2-201
Product certifications	CULus C-tick
Resistance to electrostatic discharge	8 kV in air EN/IEC 61000-4-2 4 kV on contact EN/IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80 MHz...1 GHz EN/IEC 61000-4-3 2.74 V/m (3 V/m) 1.4 GHz...2 GHz EN/IEC 61000-4-3 0.91 V/m (1 V/m) 2 GHz...3 GHz EN/IEC 61000-4-3
Resistance to magnetic fields	98.43 A/m (30 A/m) 50/60 Hz EN/IEC 61000-4-8
Resistance to fast transients	1 kV I/OEN/IEC 61000-4-4
Surge withstand	1 kV I/O common mode EN/IEC 61000-4-5 DC
Resistance to conducted disturbances	10 V 0.15...80 MHz EN/IEC 61000-4-6 3 V spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz) Marine specification (LR, ABS, DNV, GL)
Electromagnetic emission	Radiated emissions 40 dBµV/m QP class A 10 m)30...230 MHz EN/IEC 55011 Radiated emissions 47 dBµV/m QP class A 10 m)230...1000 MHz EN/IEC 55011
Ambient air temperature for operation	14...95 °F (-10...35 °C) vertical installation 14...131 °F (-10...55 °C) horizontal installation
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	10...95 %, without condensation in operation) 10...95 %, without condensation in storage)
IP degree of protection	IP20 with protective cover in place
Pollution degree	2
Operating altitude	0...6561.68 ft (0...2000 m)
Storage altitude	0.00...9842.52 ft (0...3000 m)
Vibration resistance	3.5 mm 5...8.4 Hz DIN rail 3 gn 8.4...150 Hz DIN rail 3.5 mm 5...8.4 Hz panel 3 gn 8.4...150 Hz panel
Shock resistance	15 gn 11 ms

Ordering and shipping details

Category	22533 - M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	00785901981763
Nbr. of units in pkg.	1
Package weight(Lbs)	0.47 lb(US) (0.21 kg)
Returnability	Yes
Country of origin	TW

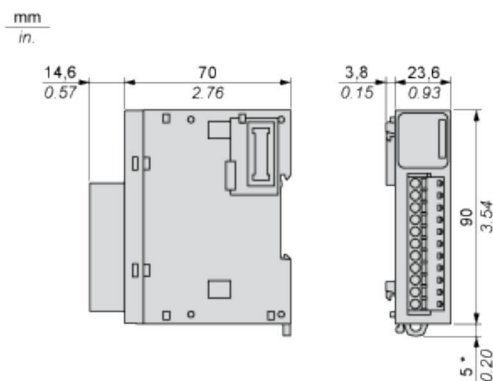
Packing Units

Package 1 Height	2.95 in (75.000 mm)
Package 1 width	4.13 in (105.000 mm)
Package 1 Length	4.92 in (125.000 mm)

Offer Sustainability

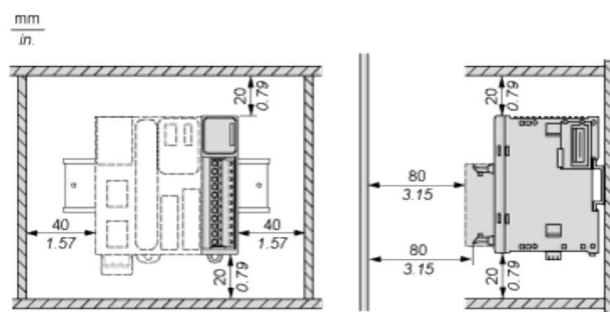
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Dimensions

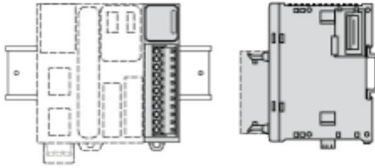


(*) 8.5 mm/0.33 in. when the clamp is pulled out.

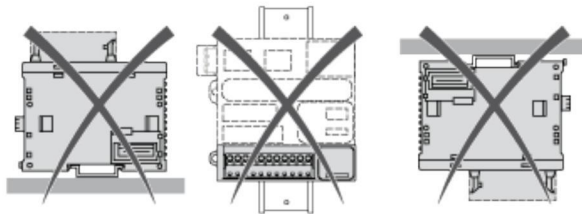
Spacing Requirements



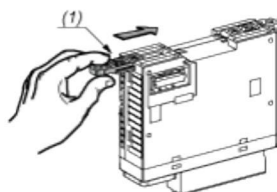
Mounting on a Rail



Incorrect Mounting

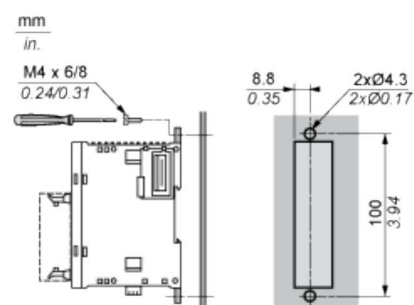


Mounting on a Panel Surface



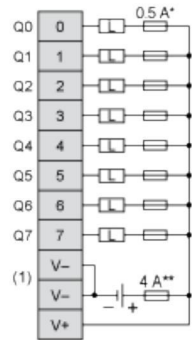
- (1) Install a mounting strip

Mounting Hole Layout



Digital Transistor Output Module (8-channel, Sink)

Wiring Diagram



- (*) Type T Fuse
(**) Type F fuse
(1) The V- terminals are connected internally.