

Product data sheet

Specifications



parallel interface module, Modicon TM3, 4 Tesys motors

TM3XTYS4

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon TM3
Product or Component Type	Parallel interface module
Product Specific Application	TeSys U
[Us] rated supply voltage	24 V DC external supply - 15...20 %)
Number of input channels	12
Number of output channels	8
Range Compatibility	Modicon M221 Modicon M251 Modicon M241 Modicon M262

Complementary

Current consumption	5 mA 5 V DC via bus connector at state on 35 mA 5 V DC via bus connector at state off 0 mA 24 V DC via bus connector at state on 10 mA 24 V DC via bus connector at state off 1200 mA 24 V DC external power supply at state on
Input voltage limits	19.2...28.8 V per input
Input current limits	5 mA per input
Response time	< 10 ms turn-on input < 10 ms turn-off input
Output voltage	24 V DC transistor output
Maximum load current	800 mA per channel starting mode 100 ms 300 mA per channel normal mode
Insulation	Between the RJ45 connectors and internal logic 500 V AC Non-insulated between RJ45 connectors
Output protection type	Against overload, protection technology: current limiter
Reset	Automatic reset
Local signalling	3 LEDs green per channel input status 2 LEDs green per channel output status
Electrical connection	3 x 2.5 mm ² removable screw terminal block with pitch 5.08 mm adjustment for connecting the 24 V DC power supply 4 RJ45 connectors for connecting the motor starters
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)
Depth	3.3 in (85 mm)
Width	1.2 in (30 mm)

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product Weight	0.254 lb(US) (0.115 kg)
DC supply voltage	24 V

Environment

Product Certifications	CE cULus UKCA RCM EAC
Marking	CE
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	9.1 V/m (10 V/m) 80 MHz...1 GHz EN/IEC 61000-4-3 2.7 V/m (3 V/m) 1.4 GHz...2 GHz EN/IEC 61000-4-3 0.9 V/m (1 V/m) 2 GHz...3 GHz EN/IEC 61000-4-3
Resistance to magnetic fields	98.4 A/m (30 A/m) 50/60 Hz EN/IEC 61000-4-8
Resistance to fast transients	1 kV inputEN/IEC 61000-4-4 1 kV outputEN/IEC 61000-4-4
Surge withstand	1 kV input common mode EN/IEC 61000-4-5 1 kV output common mode EN/IEC 61000-4-5
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...9842.5 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
IP Degree of Protection	IP20

Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
GTIN	3606480611636
Returnability	Yes
Country of origin	TW

Packing Units

Unit Type of Package 1	PCE
------------------------	-----

Nbr. of units in pkg.	1
Package 1 Height	2.953 in (7.500 cm)
Package 1 Width	4.921 in (12.500 cm)
Package 1 Length	4.134 in (10.500 cm)
Package weight(Lbs)	7.584 oz (215.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	42
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	22.046 lb(US) (10.000 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	504
Package 3 Height	31.496 in (80.000 cm)
Package 3 Width	41.339 in (105.000 cm)
Package 3 Length	49.213 in (125.000 cm)
Package 3 Weight	137.339 lb(US) (62.296 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



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	134 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	14 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	119 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	91cf81c4-f22d-428b-a036-2e24fcc66509
EU RoHS Directive	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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 Longer



Lifetime extension

Repair	No
--------	----

Use Again

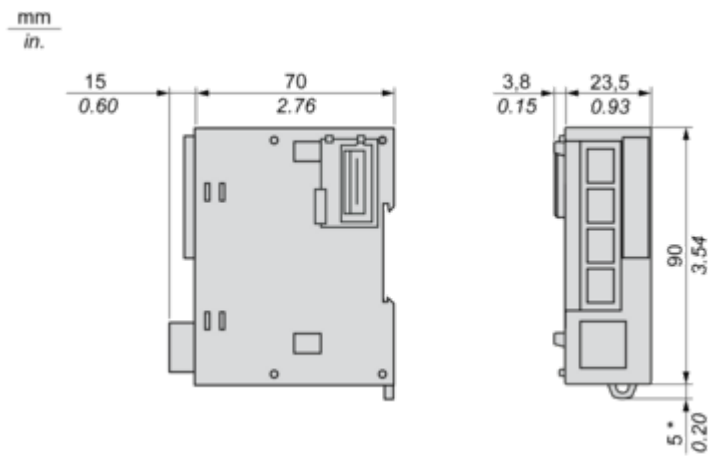


Repack and remanufacture

Recyclability potential, in %	3
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

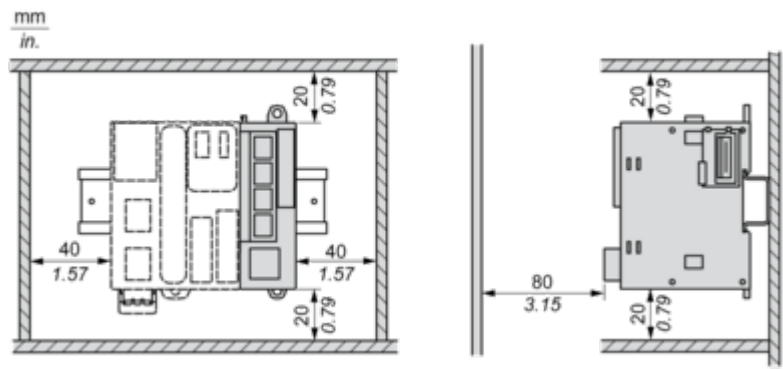
Dimensions



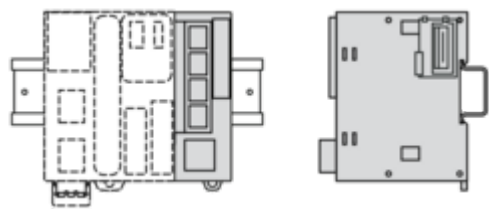
(*) 8.5 mm/0.33 in when the clamp is pulled out.

Mounting and Clearance

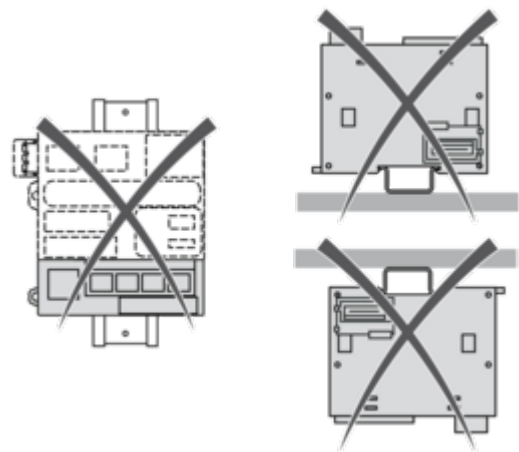
Spacing Requirements



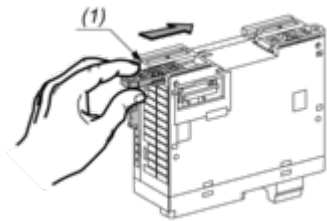
Mounting on a Rail



Incorrect Mounting



Mounting on a Panel Surface



(1) Install a mounting strip

Mounting Hole Layout

