

Product datasheet

Specifications



Bus coupler module, Modicon TM3,
distributed IO, optimized, EtherCAT
interface, IP20

TM3BCECT

Main

Range of product	Modicon TM3
Product or component type	I/O distributed module
Product compatibility	Logic controller Motion controller

Complementary

Communication port protocol	EtherCAT
Communication network type	EtherCAT
Port Ethernet	10/100BASE-T
Web services	Web server, USB
Current consumption	0.6 A at 24 V DC internal supply maximum 7 expansion modules
Exchange mode	Full duplex
Transmission rate	100 Mbps
Topology	Ring Line
Communication service	EtherCAT slave device profile
Local signalling	1 LED green/red for PWR (Power Status) 1 LED green/red for COM (Run) 1 LED green/red for ERR (Error) 1 LED green/red for I/O status
Fixing mode	By clipping locks (rail) By screws (mounting plate)
Height	93 mm
Width	26.8 mm
Depth	73.3 mm
Product weight	0.097 kg

Environment

IP degree of protection	IP20
Product certifications	CE CULus
Standards	IEC 61131-2 UL 61010-1 UL 61010-2-201 CSA C22.2 No 61010-1 CSA C22.2 No 61010-2-201
Ambient air temperature for operation	-10...60 °C

Ambient air temperature for storage	-40...70 °C
Operating altitude	0...2000 m
Pollution degree	2
Vibration resistance	3.5 mm (f = 5...8.4 Hz) on 35 mm DIN rail 9.8 m/s ² (f = 8.4...150 Hz)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.4 cm
Package 1 Width	10.4 cm
Package 1 Length	12.4 cm
Package 1 Weight	172 g
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.840 kg

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	291 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	25 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]	266 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



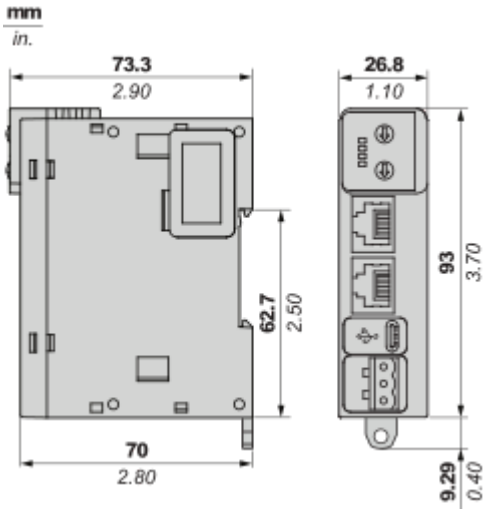
Repack and remanufacture

Recyclability potential, in %	0
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

Dimension

Side and Front Views



Mounting and Clearance

Spacing Requirements

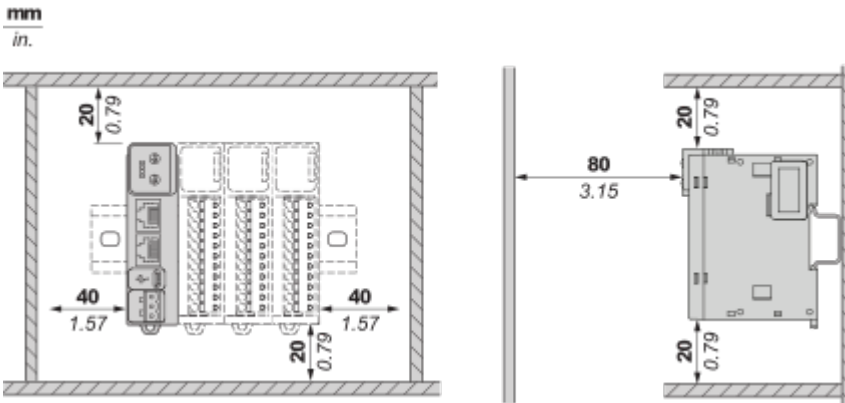


Image of product / Alternate images

Alternative

