Product data sheet

Specifications



communication module, Modicon TM5, fieldbus interface, Sercos 3

TM5NS31

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon TM5
Product or Component Type	Sercos III communication module
Product Compatibility	Motion controller
Range Compatibility	Modicon LMC078

Complementary

Integrated connection type	Ethernet/IP, 2 RJ45 connectors Sercos RJ45), 100 Mbit/s
Device Composition	Interface module Bus base Power supply Terminal block
Power dissipation in W	1.75 W
Local signalling	1 LED green/red STAT 1 LED green/red Sercos III 1 LED green Sercos III port 1 1 LED green Sercos III port 2
Height	3.9 in (99 mm)
Width	1.5 in (37.5 mm)
Depth	3.0 in (75 mm)
Product Weight	0.07 lb(US) (0.03 kg)

Environment

IP Degree of Protection	IP20
Operating altitude	0...6561.68 ft (0...2000 m)
Pollution degree	2

Ordering and shipping details

Category	US1PC5118296
Discount Schedule	PC51
GTIN	3595864109091
Returnability	Yes
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE

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

Nbr. of units in pkg.	1
Package 1 Height	1.181 in (3.000 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	4.134 in (10.500 cm)
Package weight(Lbs)	2.540 oz (72.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.492 lb(US) (3.852 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	**101 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**20 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]	**81 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Free of 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

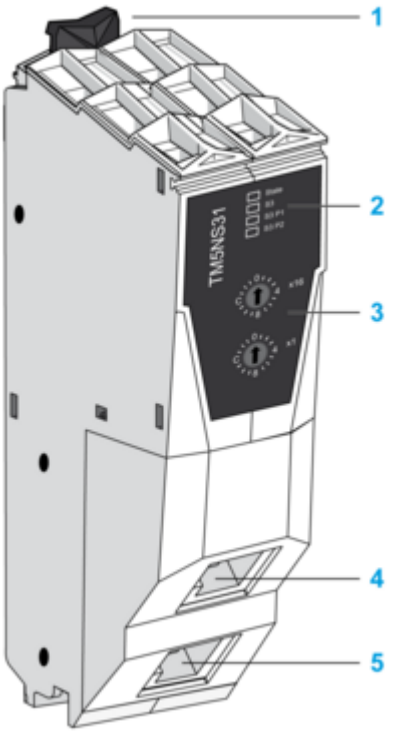
Repack and remanufacture

Recyclability potential, in %	**0**
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.**

Presentation

Presentation

Sercos fieldbus interface module



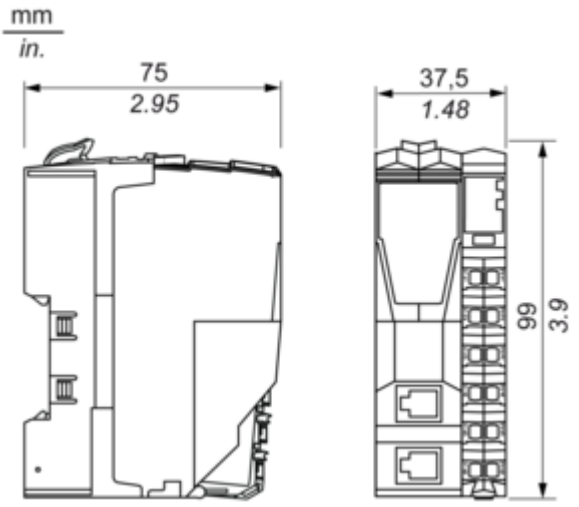
1 Locking clip
2 Status LEDs
3 Sercos III address setting rotary switches
4 Sercos III Port 1 connector (RJ45)
5 Sercos III Port 2 connector (RJ45)

Dimensions Drawings

Dimensions and Schema

Sercos Fieldbus Interface Module

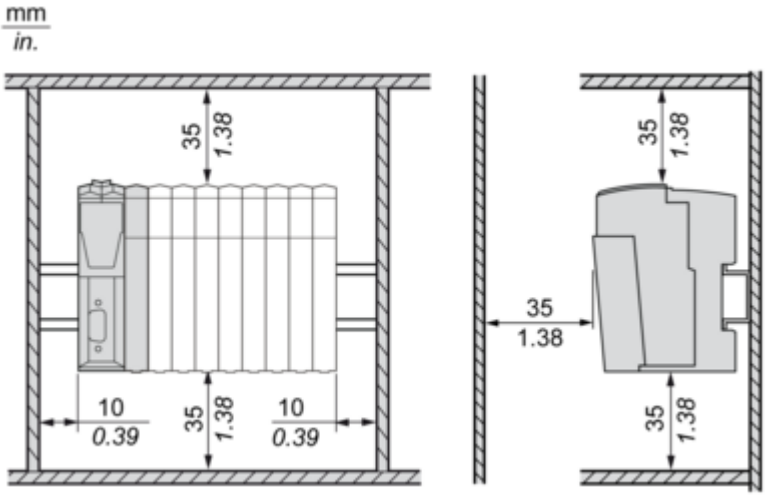
Dimensions



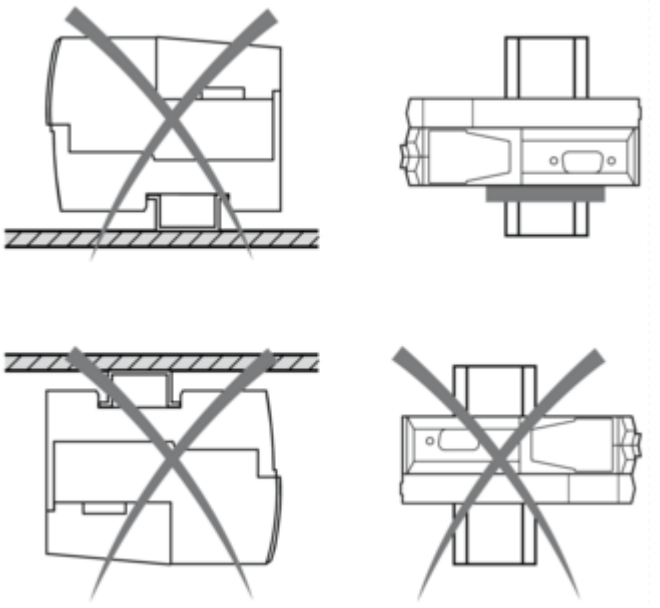
Mounting and Clearance

TM5 System

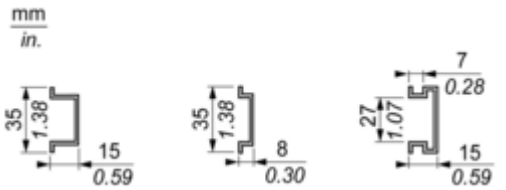
Spacing Requirements



Mounting Position



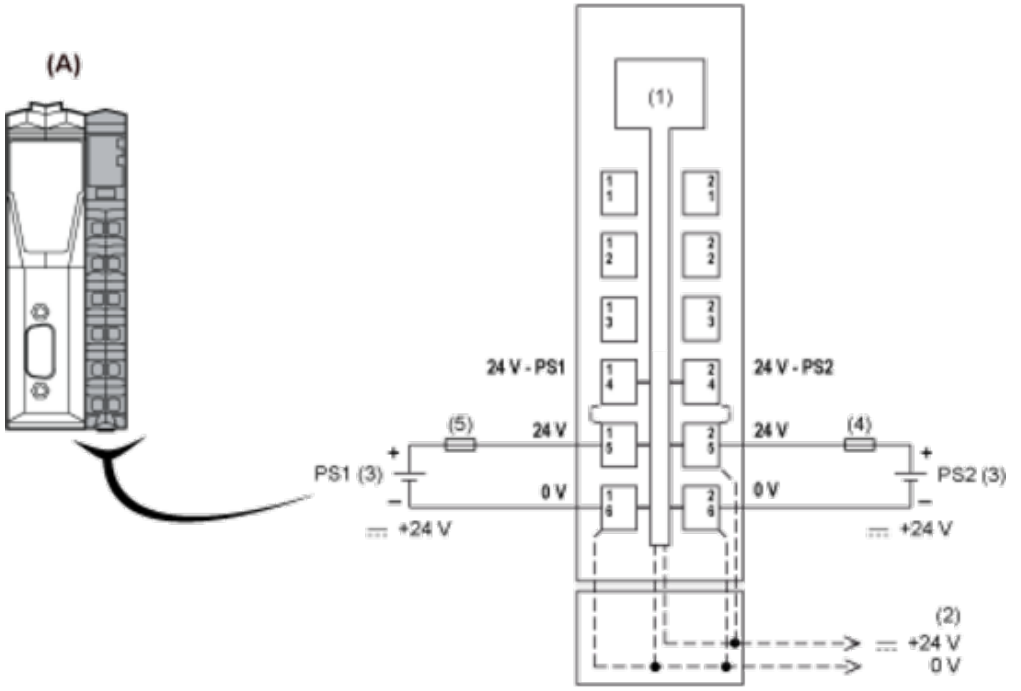
Mounting on a Din Rail



Connections and Schema

Connections and Schema

Wiring Diagram



(A) Interface Power Distribution Module (IPDM)
(1) Internal electronics
(2) 24 Vdc I/O power segment integrated in the bus bases
(3) PS1/PS2: External isolated power supply 24 Vdc
(4) External fuse, Type T slow blow, 10 A max., 250 V
(5) External fuse, Type T slow blow, 1 A, 250 V