

# Product data sheet

Specifications



## Modbus TCP communication module for M168 base controller w BMS connectivity slot

TM168MODW

⚠ Discontinued on: Nov 14, 2025

⚠ End-of-service on: Dec 31, 2025

⚠ Discontinued

### Main

Range of product	Modicon M168 logic controller
Product or component type	Communication module
Communication port protocol	Modbus TCP/IP

### Complementary

Integrated connection type	Ethernet TCP/IP RJ45 - 2 twisted pairs - class D
Transmission rate	10/100 Mbit/s
Communication service	SNMP BOOTP, Modbus TCP/IP FTP Configure IP parameters Read device identification (43/14) Read holding registers (03) Read input registers (04) Write single register (06) Write multiple registers (16) Read/write multiple registers (23)
Web services	Web server
Physical interface	RJ45 - 10BASE-T RJ45 - 100BASE-TX
Memory description	User web page size 2 MB
Local signalling	1 LED for transmission activity 1 LED for reception activity (RX) 1 LED for module status 1 LED for error
Product compatibility	M168 logic controller
Net weight	0.097 lb(US) (0.044 kg)

### Environment

Product certifications	UL 873 CSA UL 60730-1 UL 508
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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

<b>Electromagnetic compatibility</b>	EMC immunity conforming to EN/IEC 61000-6-1 EMC immunity level 2 conforming to EN/IEC 60730-1 Electrostatic discharge level 3B conforming to IEC 61000-4-2 Radiated RF fields level 3A conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4B conforming to IEC 61000-4-4 Surge immunity test level 3 conforming to IEC 61000-4-5 Conducted RF disturbances level 3A conforming to IEC 61000-4-6 Conducted EMC level 2 conforming to EN/IEC 60730-1 Conducted EMC conforming to EN/IEC 61000-6-3 EMC immunity conforming to IEC 61800-3 Conducted EMC conforming to IEC 61800-3 category C1
<b>Marking</b>	CE
<b>IP degree of protection</b>	IP20
<b>Ambient air temperature for operation</b>	-4...149 °F (-20...65 °C)
<b>Ambient air temperature for storage</b>	-13...158 °F (-25...70 °C)
<b>Relative humidity</b>	5...95 % without condensation
<b>Pollution degree</b>	2
<b>Operating altitude</b>	0...2000 m
<b>Storage altitude</b>	0...10000 ft (0...3048 m)
<b>Vibration resistance</b>	1.5 mm 3...13 Hz) 1 mm 13...23 Hz) 2 gn 23...150 Hz)
<b>Shock resistance</b>	15 gn 11 ms

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	1.8 in (4.5 cm)
<b>Package 1 Width</b>	2.4 in (6.0 cm)
<b>Package 1 Length</b>	3.5 in (9.0 cm)
<b>Package 1 Weight</b>	2.3 oz (65.0 g)



## 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 >](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Modbus TCP Network Connectivity Module

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Dimensions

