Product data sheet
Characteristics

TM168MODW
Modbus TCP communication module for M168 base controller w BMS connectivity slot

Main

Commercial Status	Commercialised
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	Read/Write multiple registers (23) Write multiple registers (16) Write single register (06) Read input registers (04) Read holding registers (03) Read device identification (43/14) Configure IP parameters FTP BOOTP (Modbus TCP/IP) SNMP
Web services	Web server
Physical interface	RJ45 - 100BASE-TX RJ45 - 10BASE-T
Memory description	User web page size 2 MB
Local signalling	1 LED for error 1 LED for module status 1 LED for reception activity (RX) 1 LED for transmission activity
Product compatibility	M168 logic controller
Product weight	0.044 kg

Environment

Product certifications	CSA UL 508 UL 873 UL 60730-1
Electromagnetic compatibility	Conducted EMC conforming to IEC 61800-3 category C1 EMC immunity conforming to IEC 61800-3 Conducted EMC conforming to EN/IEC 61000-6-3 Conducted EMC level 2 conforming to EN/IEC 60730-1 Conducted RF disturbances level 3A conforming to IEC 61000-4-6 Surge immunity test level 3 conforming to IEC 61000-4-5 Electrical fast transient/burst immunity test level 4B conforming to IEC 61000-4-4 Radiated RF fields level 3A conforming to IEC 61000-4-3 Electrostatic discharge level 3B conforming to IEC 61000-4-2 EMC immunity level 2 conforming to EN/IEC 60730-1 EMC immunity conforming to EN/IEC 61000-6-1
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-20...65 °C

Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
Pollution degree	2
Operating altitude	0...2000 m
Storage altitude	0...3048 m
Vibration resistance	2 gn (f = 23...150 Hz) 1 mm (f = 13...23 Hz) 1.5 mm (f = 3...13 Hz)
Shock resistance	15 gn for 11 ms

Schneider Electric

Modbus TCP Network Connectivity Module

Dimensions