



Main

Product or component type	Ethernet unmanaged switch
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Complementary

Range compatibility	Modicon M241 Modicon M251
Product compatibility	Modicon M241 logic controller Modicon M251 logic controller
Current consumption	360 mA at 5 V DC for communication bus
Integrated connection type	4 RJ45 Ethernet
Transmission rate	10/100 Mbit/s
Port Ethernet	10BASE-T/100BASE-TX - 4 port(s) copper cable
Web services	Web server
Communication service	FTP SNMP DHCP client Modbus TCP server Modbus TCP client IEC VAR ACCESS Modbus TCP slave device Ethernet/IP slave device NGVL Programming Downloading Updating firmware Monitoring
Maximum number of connections	8 Modbus server 16 Ethernet/IP device
Communication port protocol	SNMP TCP (Transmission Control Protocol) UDP (User Datagram Protocol) Ethernet IP/Modbus TCP
Redundancy	No
Local signalling	1 LED green PWR 1 LED per channel green/yellow Ethernet link 1 LED per channel green Ethernet port activity
Electrical connection	RJ45 - 4 connectors for connecting Ethernet network Screw connector - terminal for connecting the functional ground
Marking	CE
Surge withstand	1 kV (power lines (DC)) with common mode protection conforming to EN/IEC 61000-4-5 2 kV (power lines (AC)) with common mode protection conforming to EN/IEC 61000-4-5 2 kV (relay output) with common mode protection conforming to EN/IEC 61000-4-5 1 kV (I/O) with common mode protection conforming to EN/IEC 61000-4-5 1 kV (shielded cable) with common mode protection conforming to EN/IEC 61000-4-5 0.5 kV (power lines (DC)) with differential mode protection conforming to EN/IEC 61000-4-5 1 kV (power lines (AC)) with differential mode protection conforming to EN/IEC

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	61000-4-5 1 kV (relay output) with differential mode protection conforming to EN/IEC 61000-4-5 0.5 kV (I/O) with differential mode protection conforming to EN/IEC 61000-4-5
Mounting support	Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 Plate or panel with fixing kit
Width	0.98 in (25 mm)
Height	3.54 in (90 mm)
Depth	3.54 in (90 mm)
Product weight	0.28 lb(US) (0.125 kg)

Environment

standards	EN/IEC 61131-2 UL 508
product certifications	C-Tick CULus
resistance to electrostatic discharge	4 kV (on contact) conforming to EN/IEC 61000-4-2 8 kV (in air) conforming to EN/IEC 61000-4-2 8 kV (in air) conforming to Marine specification (LR, ABS, DNV, GL) 6 kV (on contact) conforming to Marine specification (LR, ABS, DNV, GL)
resistance to electromagnetic fields	0.91 V/yd (1 V/m) (2...2.7 GHz) conforming to EN/IEC 61000-4-3 9.14 V/yd (10 V/m) (80 MHz...1 GHz) conforming to EN/IEC 61000-4-3 2.74 V/yd (3 V/m) (1.4 GHz...2 GHz) conforming to EN/IEC 61000-4-3
resistance to fast transients	2 kV (power lines) conforming to EN/IEC 61000-4-4 2 kV (relay output) conforming to EN/IEC 61000-4-4 1.5 kV (I/O) conforming to EN/IEC 61000-4-4 1 kV (Ethernet line) conforming to EN/IEC 61000-4-4 1 kV (serial link) conforming to EN/IEC 61000-4-4
resistance to conducted disturbances	10 V (0.15...80 MHz) conforming to EN/IEC 61000-4-6 3 V (0.1...80 MHz) conforming to Marine specification (LR, ABS, DNV, GL) 10 V (spot frequency (2, 3, 4, 6.2, 8.2, 12.6, 16.5, 18.8, 22, 25 MHz)) conforming to Marine specification (LR, ABS, DNV, GL)
electromagnetic emission	Conducted emissions - test level: 120...69 dB μ V/m QP (power lines) at 10...150 kHz conforming to EN/IEC 55011 Conducted emissions - test level: 79 dB μ V/m QP/66 dB μ V/m AV (power lines (AC)) at 0.15...0.5 MHz conforming to EN/IEC 55011 Conducted emissions - test level: 73 dB μ V/m QP/60 dB μ V/m AV (power lines (AC)) at 0.5...300 MHz conforming to EN/IEC 55011 Conducted emissions - test level: 63 dB μ V/m QP (power lines) at 1.5...30 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 40 dB μ V/m QP class A at 30...230 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 60...54 dB μ V/m QP at 30...100 MHz conforming to Marine specification (LR, ABS, DNV, GL) Radiated emissions - test level: 24 dB μ V/m QP at 156...165 MHz conforming to Marine specification (LR, ABS, DNV, GL) Conducted emissions - test level: 79...63 dB μ V/m QP (power lines) at 150...1500 kHz conforming to EN/IEC 55011 Radiated emissions - test level: 47 dB μ V/m QP class A at 230...1000 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 80...50 dB μ V/m QP at 150...30000 kHz conforming to Marine specification (LR, ABS, DNV, GL) Radiated emissions - test level: 54 dB μ V/m QP at 100...2000 MHz conforming to Marine specification (LR, ABS, DNV, GL)
ambient air temperature for operation	14...122 °F (-10...50 °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...9842.52 ft (0...3000 m)
vibration resistance	1 mm at 5...13.2 Hz on symmetrical rail 3 gn at 8.7...150 Hz on symmetrical rail 1 mm at 5...13.2 Hz on panel mounting 0.7 gn at 13.2...100 Hz on panel mounting
shock resistance	15 gn during 11 ms

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1408 - Schneider Electric declaration of conformity	Compliant - since 1408 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available