



### Main

Product or component type	Ethernet unmanaged switch
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### Complementary

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

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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	25 mm
Height	90 mm
Depth	90 mm
Net weight	0.125 kg

## Environment

Standards	UL 508 EN/IEC 61131-2
Product certifications	CULus C-Tick
Resistance to electrostatic discharge	8 KV in air conforming to EN/IEC 61000-4-2 4 KV on contact 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	10 V/M 80 MHz...1 GHz conforming to EN/IEC 61000-4-3 3 V/M 1.4 GHz...2 GHz conforming to EN/IEC 61000-4-3 1 V/m 2...2.7 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: 79 dB $\mu$ V/m QP/66 dB $\mu$ V/m AV ( power lines (AC)) at 0.15...0.5 MHz conforming to EN/IEC 55011 Conducted emissions - test level: 73 dB $\mu$ V/m QP/60 dB $\mu$ V/m AV ( power lines (AC)) at 0.5...300 MHz conforming to EN/IEC 55011 Conducted emissions - test level: 120...69 dB $\mu$ V/m QP ( power lines) at 10...150 kHz conforming to EN/IEC 55011 Conducted emissions - test level: 63 dB $\mu$ V/m QP ( power lines) at 1.5...30 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 40 dB $\mu$ V/m QP class A at 30...230 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 60...54 dB $\mu$ V/m QP at 30...100 MHz conforming to Marine specification (LR, ABS, DNV, GL) Radiated emissions - test level: 24 dB $\mu$ V/m QP at 156...165 MHz conforming to Marine specification (LR, ABS, DNV, GL) Conducted emissions - test level: 79...63 dB $\mu$ V/m QP ( power lines) at 150...1500 kHz conforming to EN/IEC 55011 Radiated emissions - test level: 47 dB $\mu$ V/m QP class A at 230...1000 MHz conforming to EN/IEC 55011 Radiated emissions - test level: 80...50 dB $\mu$ V/m QP at 150...30000 kHz conforming to Marine specification (LR, ABS, DNV, GL) Radiated emissions - test level: 54 dB $\mu$ V/m QP at 100...2000 MHz conforming to Marine specification (LR, ABS, DNV, GL)
Ambient air temperature for operation	-10...55 °C horizontal installation -10...50 °C vertical installation
Ambient air temperature for storage	-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...2000 m
Storage altitude	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 for 11 ms

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	210.0 g
Package 1 Height	5.635 cm
Package 1 width	11.532 cm
Package 1 Length	17.033 cm
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	5.04 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

## Contractual warranty

Warranty	18 months
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