



### 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 5 V DC communication bus
Integrated connection type	Ethernet 4 RJ45
Transmission rate	10/100 Mbit/s
Port Ethernet	10BASE-T/100BASE-TX - 4 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	For PWR 1 LED (green) For Ethernet link 1 LED per channel (green/yellow) For Ethernet port activity 1 LED per channel (green)
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 EN/IEC 61000-4-5 2 KV power lines (AC) common mode EN/IEC 61000-4-5 2 KV relay output common mode EN/IEC 61000-4-5 1 KV I/O common mode EN/IEC 61000-4-5 1 KV shielded cable common mode EN/IEC 61000-4-5 0.5 KV power lines (DC) differential mode EN/IEC 61000-4-5 1 KV power lines (AC) differential mode EN/IEC 61000-4-5 1 KV relay output differential mode EN/IEC 61000-4-5 0.5 kV I/O differential mode EN/IEC 61000-4-5

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Mounting support	Top hat type TH35-15 rail IEC 60715 Top hat type TH35-7.5 rail 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)
Net Weight	0.28 lb(US) (0.125 kg)

## Environment

Standards	UL 508 EN/IEC 61131-2
Product certifications	CULus C-tick
Resistance to electrostatic discharge	8 KV in air EN/IEC 61000-4-2 4 KV on contact EN/IEC 61000-4-2 8 KV in air Marine specification (LR, ABS, DNV, GL) 6 KV on contact Marine specification (LR, ABS, DNV, GL)
Resistance to electromagnetic fields	9.14 V/m (10 V/m) 80 MHz...1 GHz EN/IEC 61000-4-3 2.74 V/m (3 V/m) 1.4 GHz...2 GHz EN/IEC 61000-4-3 0.91 V/m (1 V/m) 2...2.7 GHz EN/IEC 61000-4-3
Resistance to fast transients	2 KV EN/IEC 61000-4-4 power lines) 2 KV EN/IEC 61000-4-4 relay output) 1.5 KV EN/IEC 61000-4-4 I/O) 1 KV EN/IEC 61000-4-4 Ethernet line) 1 kV EN/IEC 61000-4-4 serial link)
Resistance to conducted disturbances	10 V 0.15...80 MHz EN/IEC 61000-4-6 3 V 0.1...80 MHz 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) Marine specification (LR, ABS, DNV, GL)
Electromagnetic emission	Conducted emissions 79 dB $\mu$ V/m QP/66 dB $\mu$ V/m AV power lines (AC))0.15...0.5 MHz EN/IEC 55011 Conducted emissions 73 dB $\mu$ V/m QP/60 dB $\mu$ V/m AV power lines (AC))0.5...300 MHz EN/IEC 55011 Conducted emissions 120...69 dB $\mu$ V/m QP power lines)10...150 kHz EN/IEC 55011 Conducted emissions 63 dB $\mu$ V/m QP power lines)1.5...30 MHz EN/IEC 55011 Radiated emissions 40 dB $\mu$ V/m QP class A30...230 MHz EN/IEC 55011 Radiated emissions 60...54 dB $\mu$ V/m QP30...100 MHz Marine specification (LR, ABS, DNV, GL) Radiated emissions 24 dB $\mu$ V/m QP156...165 MHz Marine specification (LR, ABS, DNV, GL) Conducted emissions 79...63 dB $\mu$ V/m QP power lines)150...1500 kHz EN/IEC 55011 Radiated emissions 47 dB $\mu$ V/m QP class A230...1000 MHz EN/IEC 55011 Radiated emissions 80...50 dB $\mu$ V/m QP150...30000 kHz Marine specification (LR, ABS, DNV, GL) Radiated emissions 54 dB $\mu$ V/m QP100...2000 MHz Marine specification (LR, ABS, DNV, GL)
Ambient air temperature for operation	14...131 °F (-10...55 °C) horizontal installation 14...122 °F (-10...50 °C) vertical 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	0.00...9842.52 ft (0...3000 m)
Vibration resistance	1 mm 5...13.2 Hz symmetrical rail 3 gn 8.7...150 Hz symmetrical rail 1 mm 5...13.2 Hz panel mounting 0.7 gn 13.2...100 Hz panel mounting
Shock resistance	15 gn 11 ms

## Ordering and shipping details

Category	22533 - M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	00785901098232
Nbr. of units in pkg.	1
Package weight(Lbs)	0.46 lb(US) (0.21 kg)
Returnability	Yes
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	4.53 in (11.5 cm)
Package 1 Length	6.69 in (17 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	10.54 lb(US) (4.78 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</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