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Managed Industrial Ethernet Switches ❯

IP20-rated Managed Industrial Ethernet Switches are robust and versatile, providing fast and easy diagnostic capability and enabling a high degree of control over network adaptations, configurations and priorities in industrial automation and monitoring applications.

ADVANTAGES AND FEATURES

Provides high degree of flexibility for managing traffic priorities
by using customizable communication parameters for application-specific functionalities

Simplifies diagnostics to identify problems quickly
with dashboard and network monitoring capabilities that are easily accessed

Can be used in harsh environments and extreme temperatures
with IP20-rated resistance to dust and moisture and the ability to operate in temperatures from -10 to +60°C

Allows for simple upgrades of existing networks
by using EtherNet/IP and PROFINET industrial protocols

NEMA Ratings	IP20
Data Speeds	10/100/1,000 Mbps
Ports	5, 8
Input Voltage	20 to 57V DC
Power Consumption (max.)	10 to 12W
Network Compliance	EtherNet/IP, PROFINET
Operating Temperature	-10 to +60°C

Offers excellent performance for complex and high-speed industrial networks
with data rates up to 1,000 Mbps

MARKETS AND APPLICATIONS

Industrial Automation
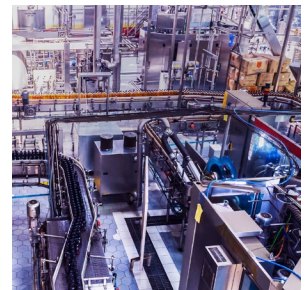Automotive production lines
Semiconductors
Material handling systems
Waste and wastewater treatment plants
Pulp and paper manufacturing equipment
Food and beverage lines
Mining and metal sites
Agricultural systems
Machine builders
Robot cell control systems
Packaging line control systems
Substation control devices

Automotive Production Lines

Robot Cell Control Systems

Food and Beverage Lines

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SPECIFICATIONS

Reference Information

Packaging: Box

Designed in: Millimeters

RoHS: Yes

Halogen Free: Yes

IEEE Standards: 802.3 (10Base-T), 802.3u (100Base-TX), 802.3ab (1,000Base-T), 802.3x (Flow Control), 802.3az (energy efficiency), 802.1p (QoS)

CE:

    EMI – FCC Part-15 Subpart B Class A, EN55022 (Class A), EN55011 (2009 Class A), EN 61000-6-4

    EMS – EN55024, EN61000-6-2, EN61000-4-2 (ESD: Level 3), EN61000-4-3 (RS: Level 3), EN61000-4-4 (Burst: Level 3), EN61000-4-5 (Surge: Level 3), EN61000-4-6 (CS: Level 3), DRL250MG: EN61000-4-8 and EN61000-4-11

Approval and Test:

    Shock – IEC 60068-2-27

    Freefall – IEC 60068-2-32

    Vibration – IEC 60068-2-6

    UL, cUL and CSA ID – ES00772

Electrical

Input Voltage: 20 to 57V DC

Connection: Terminal block

Power Input Polarity Protection: Yes

Power Consumption: 10W (5-port) or 12W (8-port)

Surge Protection: Yes (3/6kV)

Electrostatic Discharge (ESD) Protection: Yes (8/15kV)

Overload Current: Yes

Mechanical

Housing: Metal case (IP20 protection)

Mounting: DIN rail, wall mount

Physical

Weight: 515g (5-port) or 720g (8-port)

Dimensions (max.):

    5-Port: 31.00 by 136.00 by 105.00mm

    8-Port: 50.00 by 160.00 by 120.00mm

Switch Fabric: 12 Gbps (5-port) or 20 Gbps (8-port)

Mac Table Size: 9k (5-port) or 10k (8-port)

Jumbo Frame Size: 9 to 10k

Operating Humidity: 10 to 95% RH (non-condensing)

Storage Humidity: 5 to 95% RH (non-condensing)

Operating Temperatures: -10 to +60°C

Additional details and specifications are available on molex.com

ORDERING INFORMATION

Order No.	Old Engineering No.	Component	Data Speeds (Mbps)	Ports	NEMA Rating
112036-1100	DRL-350MG	Managed Industrial Ethernet Switch, PROFINET and EtherNet/IP compliant	10/100/1,000	5	IP20
112036-1103	DRL-381MG	Managed Industrial Ethernet Switch, PROFINET and EtherNet/IP compliant	10/100/1,000	8	IP20

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