

IP20 Unmanaged Ethernet Switches **molex**

IP20 Unmanaged Ethernet Switches are PROFINET system compliant low-profile switches with extended temperature range, making them ideal for diverse industries and in cabinet applications

Features and Advantages

Metallic enclosure
Provides IP20 protection for factory floor usage

Ease of use features
Easy set-up and integration, saving time and cost

PROFINET system compliant
Enables quick and secure data exchange

Versatile metal shell housing
Enables both rail DIN and screw set-up (5 port units)

LED power indicator
Easy diagnosis

Extended temperature range
Withstands harsh environments

Compact footprint
Provides space savings

Traffic flow control
Avoids network congestion

Markets and Applications

Industrial Automation

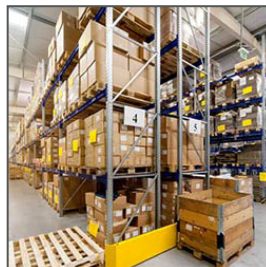
- Material handling
- Food and beverage
- Packaging and line control systems
- Mining and metal
- Water and waste management
- Substation control
- Robot cell control
- HMI/SCADA

Industrial

- I/O Connections
- Paper and pulp manufacturing
- Semiconductor

Automotive

- Connectivity



Packaging



Automotive Manufacturing



Food and Beverage



Water Management

IP20 Unmanaged Ethernet Switches



Specifications

REFERENCE INFORMATION				
	DRL-250MB	DRL-280MB	DRL-250MG	DRL-280MG
Standards				
IEEE 802.3	10Base-T	10Base-T	10Base-T	10Base-T
IEEE 802.3u	100Base-TX	100Base-TX	100Base-TX	100Base-TX
IEEE 802.3ab	-	-	1000Base-T	1000Base-T
IEEE 802.3x	Flow control	Flow control	Flow control	Flow control
IEEE 802.3az (energy efficiency)	N	Y	Y	Y
IEEE 802.1p (QoS)	N	Y	Y	Y
PHYSICAL				
	DRL-250MB	DRL-280MB	DRL-250MG	DRL-280MG
Switch fabric	1.0 Gbps	1.6 Gbps	10 Gbps	16 Gbps
Mac table size	2K	8K	2K	8K
Jumbo frame size	1.538K	9K	9K	9K
ELECTRICAL				
	DRL-250MB	DRL-280MB	DRL-250MG	DRL-280MG
Input voltage	18 to 30V DC	9 to 57V DC	9 to 48V DC	9 to 57V DC
Connection	Terminal block	Terminal block	Terminal block	Terminal block
Power input polarity protection	Yes	Yes	Yes	Yes
Power consumption (max.)	3W	5W	4W	5W
Surge protection	Yes (3/6kV)	Yes (3/6kV)	Yes (3/6kV)	Yes (3/6kV)
ESD protection	Yes (8/15kV)	Yes (8/15kV)	Yes (8/15kV)	Yes (8/15kV)
Overload current	Yes	Yes	Yes	Yes
MECHANICAL AND ENVIRONMENTS				
	DRL-250MB	DRL-280MB	DRL-250MG	DRL-280MG
Housing	Metal case (IP30 protection)			
Mounting	DIN rail, wall mount (optional)			
Operating temperature	-40 to +70°C			
Operating humidity	10 to 95% RH (non-condensing)			
Storage humidity	5 to 95% RH (non-condensing)			
Weight (g)	145	480	145	480
Dimension (W x H x D) (mm)	23.40 x 109.20 x 73.80	46.00 x 116.00 x 99.60	23.40 x 109.20 x 73.80	46.00 x 116.00 x 99.60
STANDARDS AND CERTIFICATION				
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: Level3), 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		

Ordering Information

Order No.	Old Engineering Number	Component	Data Speed (Mb)	Ports
112036-1000	DRL-250MB	Industrial unmanaged Ethernet switch	10/100	5
112036-1001	DRL-280MB		10/100	8
112036-1002	DRL-250MG	Industrial unmanaged Ethernet switch, PROFINET compliant	10/100/1000	5
112036-1003	DRL-280MG		10/100/1000	8

www.molex.com/link/ethernet-switches.html

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