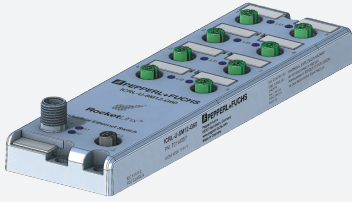


Ethernet switch unmanaged

ICRL-U-8M12-G60



- IP65/67 rugged housing for use in harsh environments
- Eight M12 10/100BASE-TX ports
- Redundant power supply
- C1D2 certification
- Suitable for PROFINET IO and EtherNet/IP
- Extended operating temperature range (-40 to +70 °C)

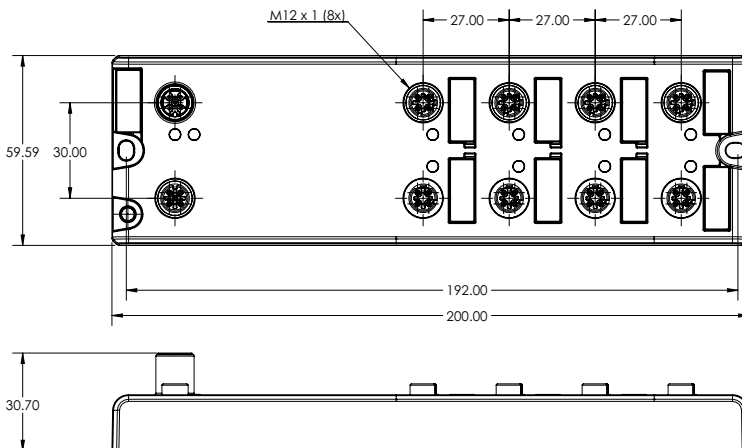
Ethernet unmanaged IP67 switch with 8 M12 ports and extended temperature range



Function

The RocketLinX ICRL-U-8M12-G60 is an 8-port unmanaged field-mountable Ethernet switch designed for use in industrial applications. With eight 10/100 Mbps Ethernet ports and redundant power inputs all utilizing M12 connections, it achieves an IP65/67 protection rating. Its passively cooled design ensures long-term reliability while supporting a wide operating temperature range from -40 to +70°C making it appropriate for use in extreme conditions. Further flexibility is provided by its wide input voltage range of 9.6 to 45 VDC.

Dimensions



Technical Data

Functional safety related parameters	
MTBF	6779960 hours (25 °C), 2716143 hours (60°C)
Ethernet Interface	
Connection type	M12, D-coded
Auto-MDI(-X)	yes
Autonegotiation	yes
Transfer rate	10BASE-T, 100BASE-TX 10/100 Mbps
Cable type	Category 5e or better
Standards	
IEEE 802.3 10BASE-T	yes
IEEE 802.3u 100BASE-TX	yes
IEEE 802.3x Flow Control and Back-pressure	yes
IEEE 802.1p Class of Service (CoS)	yes

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

Technical Data

Indicators/operating means

LED indication		see manual
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Electrical specifications

Rated operating voltage	U _e	9.6 ... 45 V DC
Power consumption		4.2 W
General information		A-Coded M12 power
Nominal voltage		12 V , 24 V , 36 V

Inputs/Outputs

Number/Type		8 x M12 (Fast Ethernet)
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Directive conformity

Electromagnetic compatibility

Directive 2014/30/EU		EN 55032:2015 , EN 61000-6-2:2005 , EN 61131-2:2007 , EN 50121-4:2016 , EN 55032:2015+A11:2020
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RoHS

Directive 2011/65/EU (RoHS)		EN IEC 63000:2018
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Standard conformity

Electrical safety		IEC 61010
Emitted interference		EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32
Shock resistance		IEC 60068-2-27
Permanent shock resistance		IEC 60068-2-64
Vibration resistance		IEC 60068-2-6
Standards		EN 50155

Approvals and certificates

UL approval		E223772 , E492874
E1 Type approval		E1*118R03/02*0254*02

Ambient conditions

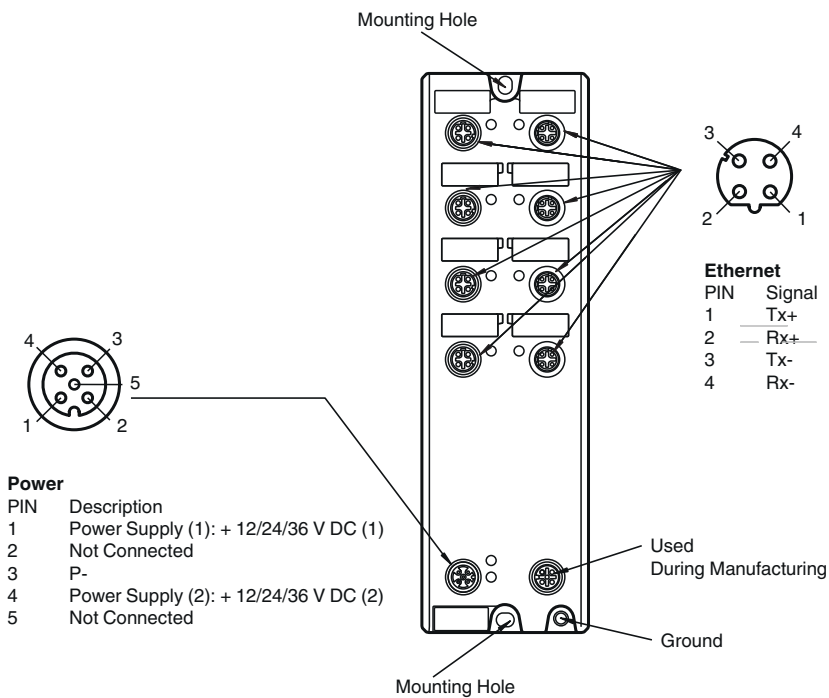
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Relative humidity		max. 100 %

Mechanical specifications

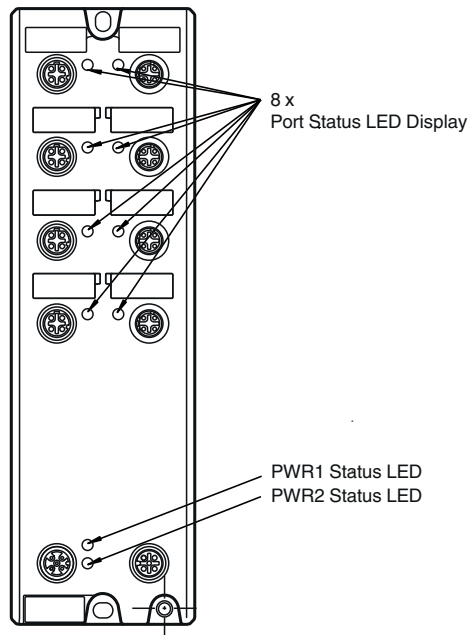
Housing length		31 mm
Housing width		60 mm
Housing height		200 mm
Degree of protection		IP65 , IP67
Connection		Power Supply M12 A-coded Ethernet 8 x M12 D-coded
Material		
Housing		Aluminum
Mass		470 g
Construction type		Field housing
Mounting		Field mounted

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Connection



Indication



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Accessories

	V1SD-G-GN0.5M-TPE-A1S-V45-G	Ethernet bus cable, M12 D-coded to RJ45, TPE cable 4-pin, CAT5e, shielded
	V1SD-G-GN1M-TPE-A1S-V45-G	Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded
	V1SD-G-GN2M-TPE-A1S-V45-G	Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded
	V1SD-G-GN0.5M-TPE-A1S-V1SD-G	Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded
	V1SD-G-GN1M-TPE-A1S-V1SD-G	Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded
	V1SD-G-GN2M-TPE-A1S-V1SD-G	Ethernet bus cable, M12 to M12, D-coded, TPE cable 4-pin, CAT5e, shielded
	V15-G-BK2M-PUR-U/0,75	Female cordset single-ended M12 straight A-coded, 5-pin, PUR cable black, UL approved, drag chain suitable
	V15-G-BK2M-PUR-U/0,75-V15-G	Cordset M12 socket straight to M12 plug straight A-coded, 5-pin, PUR cable black, UL-approved, drag chain suitable
	V15-G-BK2M-PUR-U/0,75-V15-W	Cordset M12 socket straight to M12 plug angled A-coded, 5-pin, PUR cable black, UL-approved, drag chain suitable