

Ethernet switch unmanaged PoE gigabit

ICRL-U-5RJ45-PoE-G-DIN



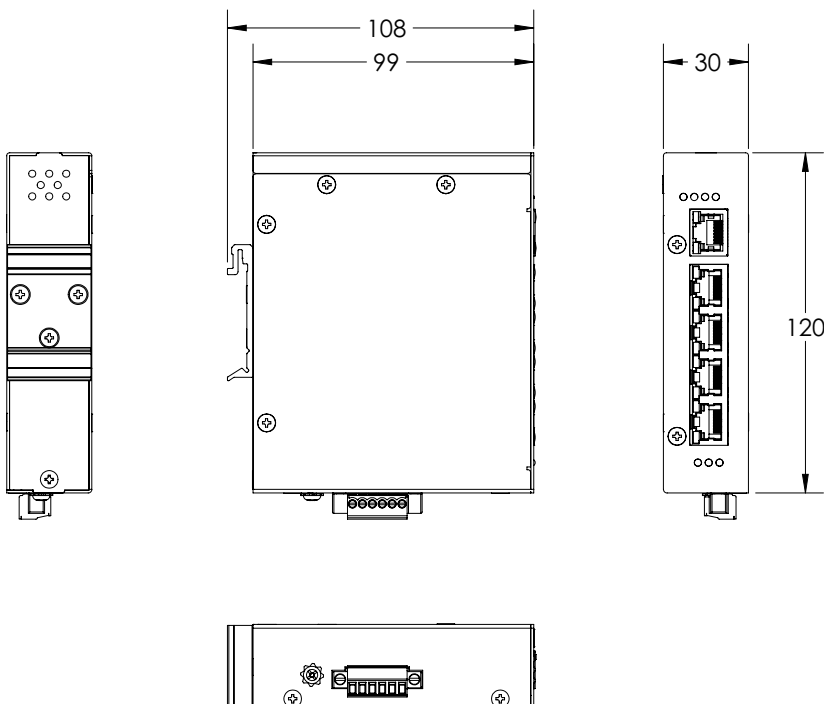
- Five - Gigabit RJ45 PoE ports
- Rugged housing for use in harsh environments
- 9K bytes jumbo frame for large file transfers
- Power event alarm
- Redundant power input 44-57V DC
- Extended temperature range -40 to +75 °C
- Suitable for PROFINET IO and EtherNet/IP

Ethernet unmanaged PoE switch with 5 RJ45 gigabit ports and fault alarm



The RocketLinx ICRL-U-5RJ45-PoE-G-DIN is a 5-port unmanaged Power over Ethernet switch designed for use in industrial applications. Four 802.3at compliant Gigabit ports each provide up to 25.5 W of power to an attached PoE device. A fifth Gigabit port connects those devices to the rest of the network. The passively cooled design ensures long-term reliability while providing 112 W of power to attached PoE devices in environments ranging in temperature from -40 to +75°C.

Dimensions



Release date: 2022-09-19 Date of issue: 2022-09-19 Filename: 70130977_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

General specifications			
UL File Number		E185778	
Functional safety related parameters			
MTBF		44.5 a	
Ethernet Interface			
Connection type		RJ45	
Auto-MDI(-X)		yes	
Autonegotiation		yes	
Transfer rate		5 - 10BASE-T, 100BASE-TX, 1000BASE-T 10/100/1000 Mbps	
Cable type		Category 5e or better	
PoE features			
Type		PoE output Mode: Alternative A	
Max. total power		112 W @ 52 V	
Standards			
IEEE 802.3 10BASE-T		yes	
IEEE 802.3u 100BASE-TX		yes	
IEEE 802.3x Flow Control and Back-pressure		yes	
IEEE 802.3ab 1000BASE-T		yes	
IEEE802.3af Power over Ethernet (PoE)		yes	
IEEE802.3at Power over Ethernet (PoE) Plus		yes	
Indicators/operating means			
LED indication		see manual	
Electrical specifications			
Rated operating voltage	U _e	44 ... 57 V DC	
Power consumption		3 W @ 60 V DC	
General information		Redundant power, polarity reverse protection, power fault alarm, relay output rating 1 A Max. @ 24 V DC	
Nominal voltage		48 V , 60 V	
Inputs/Outputs			
Number/Type		5 x RJ45	
Directive conformity			
Electromagnetic compatibility			
Directive 2014/30/EU		EN 50121-1:2017 , EN 50121-4:2016 , EN 55032:2015 , EN 55032/A11:2020 , EN 55035:2017/A11:2020 , EN 61000-6-2:2005 , EN 61000-6-4:2007 + A1:2011	
RoHS			
Directive 2011/65/EU (RoHS)		EN IEC 63000:2018	
Standard conformity			
Electromagnetic compatibility		EN 50121-4	
Electrical safety		CSA C22.2 No. 60950 / CSA C22.2 No. 60950/UL60950	
Emitted interference		EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32	
Noise immunity		EN 55032, EN61000-6-2	
Ambient conditions			
Ambient temperature		-40 ... 75 °C (-40 ... 167 °F)	
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)	
Relative humidity		max. 95 %	
Altitude		0 ... 3048 m	
Mechanical specifications			
Housing length		99 mm	
Housing width		30 mm	
Housing height		120 mm	
Degree of protection		IP30	

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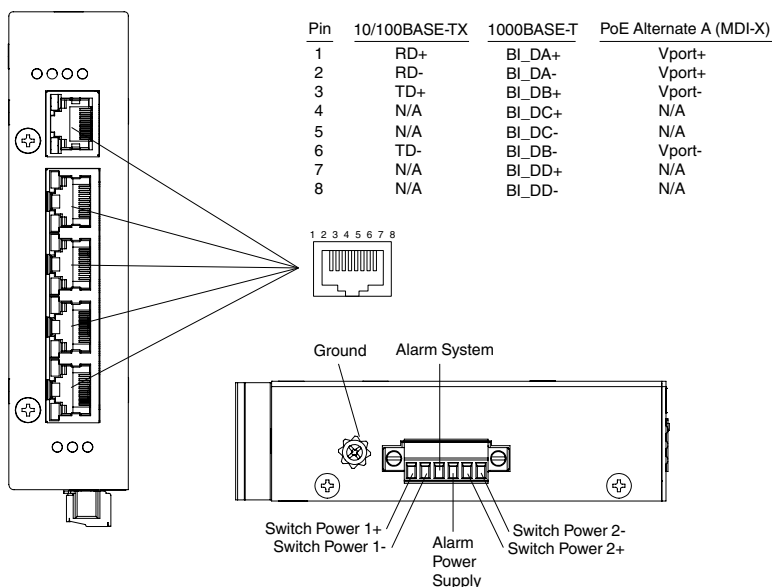
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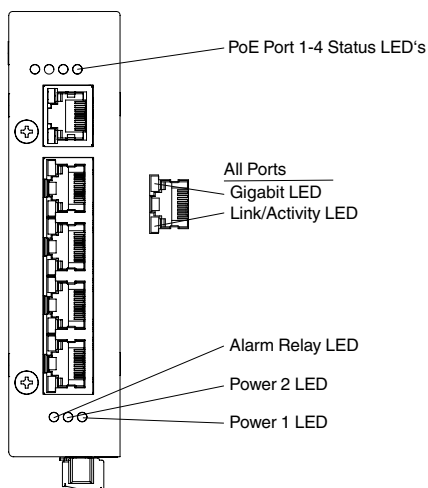
Technical Data

Connection	Power Supply Terminal Block Ethernet 5 x RJ45	
Material		
Housing	Aluminum	
Mass	650 g	
Construction type	Cabinet module	
Mounting	DIN rail or direct panel mounting	

Connection Assignment



Indication



Accessories

	V45-G-C5-GN1M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable

Accessories

	V45-G-C5-GN10M-PUR-E1S	Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN1M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN3M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN10M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable
	V45-G-C5-GN20M-PUR-E1S-V45-G	Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable