



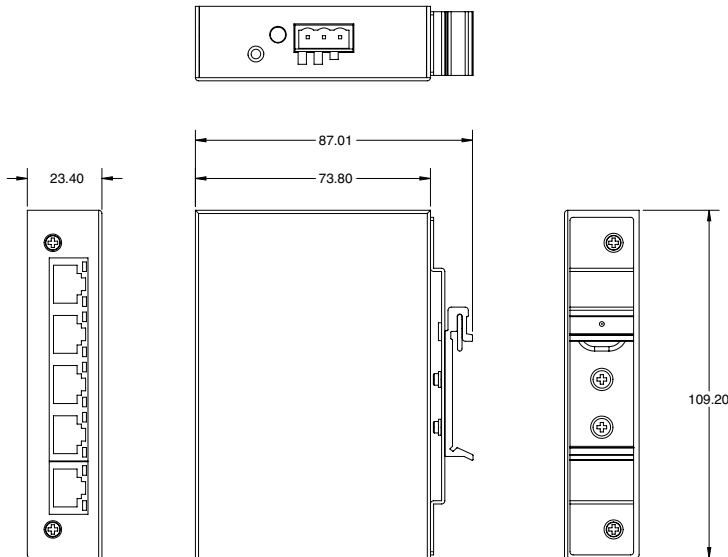
## Ethernet switch unmanaged ICRL2-U-5RJ45-G-DIN

- Rugged housing for use in harsh environments
- Suitable for PROFINET IO and EtherNet/IP
- Extended temperature range
- Five - Gigabit RJ45 ports

Ethernet unmanaged switch with 5 RJ45 ports and extended temperature range



### Dimensions



### Technical Data

| General specifications |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| UL File Number         | E223772                                                                      |
| MTBF                   | 67.9 a                                                                       |
| Ethernet Interface     |                                                                              |
| Number of ports        | 5                                                                            |
| Auto-MDI(-X)           | yes                                                                          |
| Autonegotiation        | yes                                                                          |
| Ethernet Interface     | Industrial Ethernet                                                          |
| Transfer rate          | 10BASE-T, 100BASE-TX, 1000BASE-T                                             |
| Network performance    | Jumbo frame size: 1552 bytes Broadcast storm protection for broadcast packet |
| Cable type             | Category 5e or better                                                        |
| Switch properties      |                                                                              |
| MAC address table size | 2K                                                                           |
| Standards              |                                                                              |
| IEEE 802.3 10BASE-T    | yes                                                                          |

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

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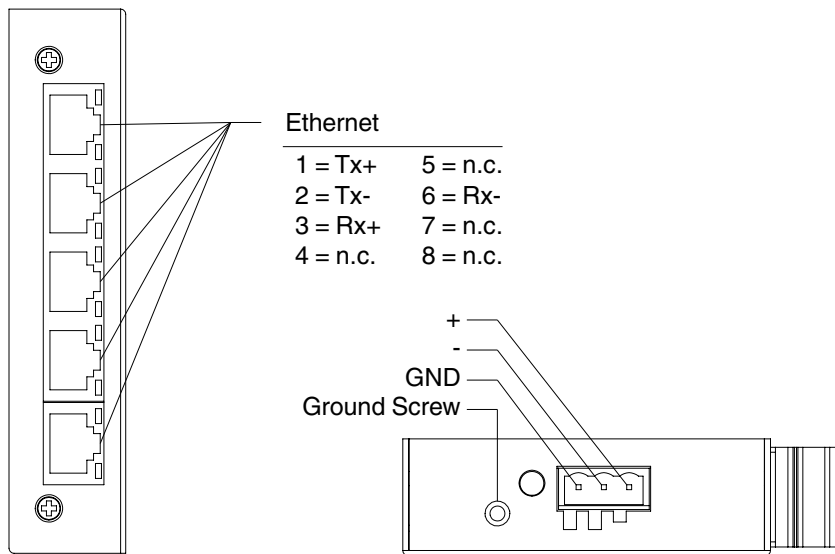
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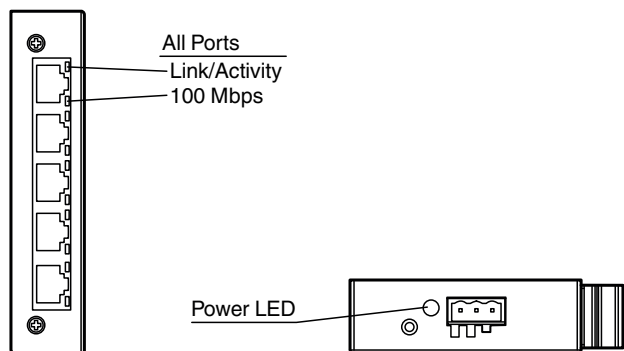
## Technical Data

|                                            |                |                                                                                                                                                         |
|--------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEEE 802.3u 100BASE-TX                     |                | yes                                                                                                                                                     |
| IEEE 802.3x Flow Control and Back-pressure |                | yes                                                                                                                                                     |
| IEEE 802.3ab 1000BASE-T                    |                | yes                                                                                                                                                     |
| <b>Indicators/operating means</b>          |                |                                                                                                                                                         |
| LED indication                             |                | see manual                                                                                                                                              |
| <b>Electrical specifications</b>           |                |                                                                                                                                                         |
| Rated operating voltage                    | U <sub>e</sub> | 12 ... 48 V DC                                                                                                                                          |
| Power consumption                          |                | 3 W                                                                                                                                                     |
| General information                        |                | Current overload protection, Power input polarity protection                                                                                            |
| Nominal voltage                            | U <sub>N</sub> | 24 V DC                                                                                                                                                 |
| Current consumption                        |                | typ. 6 mA                                                                                                                                               |
| <b>Interface 1</b>                         |                |                                                                                                                                                         |
| Physical                                   |                | RJ45                                                                                                                                                    |
| Transfer rate                              |                | 10/100/1000 Mbps                                                                                                                                        |
| <b>Inputs/Outputs</b>                      |                |                                                                                                                                                         |
| Number/Type                                |                | 5 x RJ45                                                                                                                                                |
| <b>Directive conformity</b>                |                |                                                                                                                                                         |
| Electromagnetic compatibility              |                |                                                                                                                                                         |
| Directive 2014/30/EU                       |                | EN 55011:2016-04<br>EN 55011/A1:2017-04<br>EN 55011/A11:2020-03<br>EN 55032:2015-07<br>EN 55032/A11:2020-03<br>EN 55035:2017-07<br>EN 55035/A11:2020-05 |
| <b>Standard conformity</b>                 |                |                                                                                                                                                         |
| Electrical safety                          |                | CSA C22.2 No. 61010-1-12<br>UL 61010-1, IEC 61010-2-201                                                                                                 |
| Emitted interference                       |                | EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32                                                                                              |
| Noise immunity                             |                | EN 55035:2017/A11:2020                                                                                                                                  |
| Shock resistance                           |                | EN 60068-2-27                                                                                                                                           |
| Vibration resistance                       |                | IEC 60068-2-6                                                                                                                                           |
| <b>Ambient conditions</b>                  |                |                                                                                                                                                         |
| Ambient temperature                        |                | -40 ... 75 °C (-40 ... 167 °F)                                                                                                                          |
| Storage temperature                        |                | -40 ... 85 °C (-40 ... 185 °F)                                                                                                                          |
| Relative humidity                          |                | max. 95 %                                                                                                                                               |
| Altitude                                   |                | 0 ... 3048 m                                                                                                                                            |
| <b>Mechanical specifications</b>           |                |                                                                                                                                                         |
| Degree of protection                       |                | IP30                                                                                                                                                    |
| Connection                                 |                | Power Supply Terminal Block<br>Ethernet 5 x RJ45                                                                                                        |
| Material                                   |                |                                                                                                                                                         |
| Housing                                    |                | Aluminum                                                                                                                                                |
| Mass                                       |                | 183 g                                                                                                                                                   |
| Dimensions                                 |                |                                                                                                                                                         |
| Height                                     |                | 109.2 mm                                                                                                                                                |
| Width                                      |                | 23.4 mm                                                                                                                                                 |
| Length                                     |                | 73.8 mm                                                                                                                                                 |
| Construction type                          |                | Cabinet module                                                                                                                                          |
| Mounting                                   |                | DIN rail or direct panel mounting                                                                                                                       |

Connection Assignment



Indication



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