

## Unmanaged Switch PROmesh U5

### PROmesh U5



Art.-Nr.: 114110120-SL

### HIGHLIGHTS



5 RJ45 Ports



Performance

- Memory: 1 Mbit
- Backplane capacity: 1 Gbit/s
- Throughput: 0,74 Mpp



Industry Applications

- PROFINET



Sustainability

- Lead-free
- Lowpower consumption



Country approvals

- CE | UKCA

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### Technical details

Network interfaces	
RJ45 Ports	
■ Interfaces	5
■ Transmission rates	10 Mbit/s 100 Mbit/s
■ Status LED	Link + Data communication
Supply voltage, current consumption, power dissipation, alarm contact	
Connections	
■ Power supply	2 x 0,2 – 2,5 mm <sup>2</sup>
■ Functional earthing	1 x 0,2 – 2,5 mm <sup>2</sup>
Operating parameters	
■ Supply voltage (nominal value)	24 VDC
■ Supply voltage (min.)	12 VDC
■ Supply voltage (max.)	48 VDC
Environmental conditions	
■ Operating temperature	-40°C ... +75°C
■ Storage temperature	-40°C ... +85°C
■ Humidity, rel.	<95% RHD, non-condensing
Design, Dimensions, Weights	
■ Design	kompakt, passive Kühlung
■ Material (housing)	Blechbiegegehäuse, lackiert
■ Mounting	35 mm DIN-rail (0°, 90°)
■ Width	28 mm
■ Height	103 mm
■ Depth	78 mm
■ Mounting distance (Vertical)	20 mm
■ Mounting distance (horizontal)	20 mm
Further device interfaces	
■ Status LED	PWR
■ DIP-Switches	Yes
Functions	
Basic parameters	
■ Switching Technology	Store & Forward
■ MAC address table	2 K
■ Packet memory	1 Mbit
■ Backplane capacity	1 Gbit/s
■ Throughput	0,74 Mpps

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### Technical details

Dip-Schalter	
<ul style="list-style-type: none"> <li>■ Loop Detection</li> </ul>	Set switch to „ON“ to detect logical rings
<ul style="list-style-type: none"> <li>■ Storm Suppression</li> </ul>	Set the switch to „ON“ to limit the effects of network storms of network storms
<ul style="list-style-type: none"> <li>■ One-Key VLAN</li> </ul>	Set the switch to „ON“ to logically separate the ports from each other. Only port 1 can send to and receive data from all other ports.
<ul style="list-style-type: none"> <li>■ Flow Control</li> </ul>	Set the switch to „ON“ so that the switch, as soon as it is heavily loaded, informs the connected units that they should stop transmitting for a short time.
<b>Application-specific</b>	
Protocols/Services	
<ul style="list-style-type: none"> <li>■ PROFINET Conformity Class</li> </ul>	A
<b>Standards, guidelines, approvals</b>	
EMC	
<ul style="list-style-type: none"> <li>■ Directive</li> </ul>	2014/30/EU
<ul style="list-style-type: none"> <li>■ interference emission</li> </ul>	EN 55032
<ul style="list-style-type: none"> <li>■ noise immunity</li> </ul>	EN 61000-6-2
Mechanical stability	
<ul style="list-style-type: none"> <li>■ Vibration</li> </ul>	IEC 60068-2-6
<ul style="list-style-type: none"> <li>■ Shock</li> </ul>	IEC 60068-2-27
<ul style="list-style-type: none"> <li>■ Free Fall</li> </ul>	IEC 60068-2-32
Approval	
<ul style="list-style-type: none"> <li>■ Europe</li> </ul>	CE/UKCA
Environment	
<ul style="list-style-type: none"> <li>■ RoHS</li> </ul>	2011/65/EU
<ul style="list-style-type: none"> <li>■ REACH</li> </ul>	1907/2006/EG

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Technical Drawing

