Unmanaged Switch PROmesh U8

PROmesh U8

Art.-Nr.: 114110122-SL

HIGHLIGHTS

8 RJ45 Ports

Industry Applications
- PROFINET

Country approvals
- CE | UKCA

Performance
- Memory: 1 Mbit
- Backplane capacity: 1,6 Gbit/s
- Throughput: 1,19 Mpp

Sustainability
- Lead-free
- Lowpower consumption

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Technical details

Network interfaces	
RJ45 Ports	
■ Interfaces	8
■ 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 mm²
■ Functional earthing	1 x 0,2 – 2,5 mm²
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	41 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	1,6 Gbit/s
■ Throughput	1,19 Mpps

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Technical details

Dip-Schalter	
■ Loop Detection	Set switch to „ON“ to detect logical rings
■ Storm Suppression	Set the switch to „ON“ to limit the effects of of network storms.
■ One-Key VLAN	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.
■ Flow Control	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.
Application-specific	
Protocols/Services	
■ PROFINET Conformity Class	A
Standards, guidelines, approvals	
EMC	
■ Directive	2014/30/EU
■ interference emission	EN 55032
■ noise immunity	EN 61000-6-2
Mechanical stability	
■ Vibration	IEC 60068-2-6
■ Shock	IEC 60068-2-27
■ Free Fall	IEC 60068-2-32
Approval	
■ Europe	CE/UKCA
Environment	
■ RoHS	2011/65/EU
■ REACH	1907/2006/EG

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Technical Drawing