

## Unmanaged Switch PROmesh U3

### PROmesh U3



Art.-Nr.: 114110130

### HIGHLIGHTS



1 LWL MM Port



**Industry Applications**

- PROFINET



**Country approvals**

- CE | UKCA



**Performance**

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



**Sustainability**

- Lead-free
- Lowpower consumption

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### Technical details

| Network interfaces                                                    |                               |
|-----------------------------------------------------------------------|-------------------------------|
| RJ45 Ports                                                            |                               |
| ■ Interfaces                                                          | 2                             |
| ■ Transmission rates                                                  | 10 Mbit/s<br>100 Mbit/s       |
| ■ Status LED                                                          | Link + Data communication     |
| LWL Multimode Port                                                    |                               |
| ■ Interfaces                                                          | 1                             |
| ■ Transmission rates                                                  | 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                                                               | 35 mm                         |
| ■ Height                                                              | 110 mm                        |
| ■ Depth                                                               | 95 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-switch                       |                                                                                                                                                              |
| ■ Jumbo-Frame                    | Set the switch to „ON“ to allow the forwarding of of jumbo frames                                                                                            |
| ■ 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. |
| ■ 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.                       |
| 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

