DATALIGHT® Wifi Access Point 100

**product description:**

Network access socket for installation in flush-mounted sockets with integrated Wi-Fi, one RJ45 jack for connecting network devices, an optical connection for Duplex Fibre 2.2 DATALIGHT, integrated media converter for converting the signals, integrated switch for the distribution of signals, for transmissions up to 100 Mbps. Connection for power input on the side.

The WLAN Access Point 100 DATALIGHT provides wired network access for up to one device. Via Duplex Fibre 2.2 DATALIGHT it can be connected to other DATALIGHT devices. Through the Wi-Fi functionality, any mobile device can be integrated into the network. The ability to adjust the range of the radio signal ensures optimum efficiency and minimum stress.

The speed of 100 Mbps ensures a smooth data transmission in the home network, whereby data, videos, images and music are quickly and safely available at every access point in the network.

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**Performance features AC WLAN**

- **Wireless data rate**: 150 Mbps
- **Wireless standards**: IEEE 802.11 b/g/n
- **Band**: 2.4 GHz
- **Security and encryption**: WEP, WPA, WPA2
- **Types of function**: Accesspoint, Repeater, Bridge

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**Characteristics**

- **Number of ports**: 1 x RJ45, 1 x POF
- **Data rate**: up to 100 Mbps
- **Operating temperature**: -5 °C to +45 °C (23°F to 113°F)
- **Protecting class according to DIN EN 60529**: IP 20
- **Safety class according to DIN EN 61140**: II
- **Installation**: concealed (installation depth 44 mm)
- **Settings in integrated web server**: •
- **Additional RJ45 ports (100 Mbps)**: •
- **Integrated Wi-Fi antenna**: •
- **Fits in commercial flush-mount installation boxes**: •

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**Electrical characteristics**

- **Voltage**: 100 - 240 V ~ 50-60 Hz
- **Power consumption**: max. 3 W

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**Optical characteristics**

- **Transmission length**: 70 m with POF 2.2 mm
- **Data transmission rate**: 100 Mbps
- **Wavelength**: 660 nm typically
**DATALIGHT® Wifi Access Point 100**

### Connector/outlet characteristics

<table>
<thead>
<tr>
<th>Connector</th>
<th>Characteristics</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJ45</td>
<td>DIN EN 60603-7: 1997-08</td>
<td>Category 5e</td>
</tr>
<tr>
<td>Optical</td>
<td>2.2 mm Duplex POF</td>
<td>Category 5</td>
</tr>
<tr>
<td>L / N</td>
<td>screw terminal for wires 1.5 mm Ø, 1 wire at each contact</td>
<td>Unshielded 100 MHz</td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td>spring contact</td>
<td>CuSn</td>
</tr>
<tr>
<td><strong>Surface</strong></td>
<td>spring contact</td>
<td>1.5 µm Ni / 1.3 Au</td>
</tr>
<tr>
<td><strong>Life</strong> (cycles)</td>
<td>min. 2,500 cycles</td>
<td></td>
</tr>
<tr>
<td><strong>DIN EN 50173-1: 2003-06</strong></td>
<td>Category 5</td>
<td></td>
</tr>
<tr>
<td><strong>IEC 60603-7-2: 2007</strong></td>
<td>unshielded 100 MHz</td>
<td></td>
</tr>
<tr>
<td><strong>TIA / IAE-568-B.2-2001</strong></td>
<td>Category 5e</td>
<td></td>
</tr>
</tbody>
</table>

### Standardisation

- **EN 55022:2010 Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement**<br>  Applied in full
- **EN 55025:2010 Information technology equipment - Immunity characteristics - Limits and methods of measurement**<br>  Applied in full
- **EN 50581:2013-02 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances**<br>  Applied in full
- **ETSI EN 301 489-1 V1.9.2 (2011-09) ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements**<br>  Applied in full
- **ETSI EN 301 489-17 V2.2.1 (2012-09) EMC standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems**<br>  Applied in full
- **ETSI EN 300 328 V1.8.1 (2014-04) Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques**<br>  Applied in full

### Risk analysis

The product has been manufactured and tested according to the harmonized standards EN 60950-1:2006 and EN 60825-2:2004 in the sense of harmonization legislation of the EU. All safety-relevant tests have been adhered to. This product poses no further risk.

### Accessories

<table>
<thead>
<tr>
<th>Accessory</th>
<th>Reference</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium duty corrugated plastic conduit</td>
<td>FFKuS DATALIGHT®</td>
<td>257 10 025</td>
</tr>
<tr>
<td>Data line</td>
<td>DLF</td>
<td>257 8x xxx</td>
</tr>
<tr>
<td>Auxiliary tool</td>
<td>DLCUT</td>
<td>257 90 001</td>
</tr>
<tr>
<td>Connector</td>
<td>DLCON</td>
<td>257 50 002</td>
</tr>
<tr>
<td>Switch</td>
<td>DLS126</td>
<td>257 30 126</td>
</tr>
<tr>
<td>Network access socket</td>
<td>DLUP121</td>
<td>257 20 121</td>
</tr>
</tbody>
</table>

### Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time. If you generously install a system of unused conduits today, you can easily expand your electrical installations later. You save lots of time, money and effort!

**We are happy to help you with any technical questions. Prompt information can be obtained from our technical consultants at +49 9525 88-8123.**