

**WLAN Access Point 100 DATALIGHT®**



**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.



1 x RJ45 / 1 x POF  
WLAN



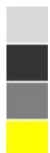
Art-No.:	Type	Content	PU	Overall-width mm	Overall-height mm	Depth mm	PU/kg
257 21 111	2.2	1	PCS	80	80	50	0.09

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

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	•

Electrical characteristics	
Voltage	100 - 240 V ~ 50-60 Hz
Power consumption	max. 3 W

Optical characteristics	
Transmission length	70 m with POF 2.2 mm
Data transmission rate	100 Mbps
Wavelength	660 nm typically



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## Connector/outlet characteristics

Connection technique	RJ45-connection: DIN EN 60603-7: 1997-08 optical connection: 2.2 mm Duplex POF L / N: screw terminal for wires 1.5 mm Ø, 1 wire at each contact
Material spring contact	CuSn
Surface spring contact	1.5 µm Ni / 1.3 Au
Life (cycles)	min. 2.500 cycles
DIN EN 50173-1: 2003-06	Category 5
ISO / IEC 11801: 2002, DIN EN 50173: 2011-09	Category 5
IEC 60603-7-2: 2007	unshielded 100 MHz
TIA / IAE-568-B.2-2001	Category 5e

## Standardisation

EN 60950-1:2006 Information technology equipment - Safety - Part 1: General requirements

Source: Official Journal of the European Union of 11.09.2014 / Applied in full

EN 60825-2:2004 Safety of laser products - Part 2: Safety of optical fibre communication systems (OFCS)

Source: Official Journal of the European Union of 11.09.2014 / Applied in full

EN 55022:2010 Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

Applied in full

EN 55025:2010 Information technology equipment - Immunity characteristics - Limits and methods of measurement

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

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

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

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

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

Medium duty corrugated plastic conduit	FFKuS DATALIGHT®	257 10 025
Data line	Duplex Fibre 2.2 DATALIGHT®	257 80 102
Auxiliary tool	Cutter	257 90 001
Connector	Connector 2.2	257 50 002
Switch	Switch 6+2-Port 100 DATALIGHT®	257 30 126
Network access socket	WLAN Access Point 100 DATALIGHT®	257 21 111

## 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.**

