



# DATALIGHT® LAN Access Point 1000



## product description:

Network access socket for installation in flush-mounted sockets, two RJ45 jacks 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 1 Gbps. Connection for power input at the back.

The LAN Access Point 2-Port 1000 DATALIGHT provides wired network access for up to two devices. Via Duplex Fibre 2,2 DATALIGHT it can be connected to other DATALIGHT devices. The high speed of 1000 Mbps ensures a smooth data transmission in the network, whereby even big amounts of data, videos, images and music are quickly and safely available at every access point in the network.



2 x RJ45 / 1 x GE-POF



Art-No.:	Type	Content	PU	Overall-width mm	Overall-height mm	Depth mm	PU/kg
257 20 021	DLUP1021	1	PCS	80	80	60	0.11

Characteristics	
Number of ports	2 x RJ45, 1 x Gigabit Ethernet POF
Data rate	1 Gbps
Operating temperature	0°C to +40 °C (32°F to 104°F)
Protecting class according to DIN EN 60529	IP 20
Appliance class according to DIN EN 61140	II
Installation	concealed (installation depth 45 mm)
Additional RJ45 ports (1000 Mbps)	•
Fits in commercial flush-mount installation boxes	•

Electrical characteristics	
Voltage	100 - 240 V ~ 50-60 Hz
Power consumption typ.	max. 2.8 W

Connector/outlet characteristics	
Connection technique	RJ45-connection: DIN EN 60603-7: 1997-08 optical connection: 2.2 mm Duplex Gigabit Ethernet POF (IEEE 802.3) L / N: wiring clamp for fixed wires 1.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup> , 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 5e, 6
ISO / IEC 11801: 2002, DIN EN 50173: 2011-09	Category 5e, 6
IEC 60603-7-2: 2007	unshielded 100 MHz
TIA / IAE-568-B.2-2001	Category 5e



**DATALIGHT® LAN Access Point 1000****Optical characteristics**

data transmission rate	1000 Mbps, adaptively lower beyond specified power budget
Gigabit Ethernet output power (sender)	-5.8 dBm min.
Gigabit Ethernet input power (receiver)	-16.5 dBm min.
Gigabit Ethernet transmission length	typ. 50 m (164 ft.) with POF 2.2 mm class A4.a2 regarding IEC 60793-2
maximum transmission length	typ. 90 m (295 ft.) with POF 2.2 mm class A4.a2 regarding IEC 60793-2
Backwards compatability	Backwards compatible to 802.3-FX (100 Mbps POF)
Wavelength	650 nm typ.

**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

**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	DLF	257 8x xxx
Auxiliary tool	DLCUT	257 90 001
Connector	DLCON	257 50 002
Switch	DLES1026	257 31 026
Switch	DLS1412	257 31 412

**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.**

