LAN Access Point 2-Port 1000 DATALIGHT®

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	2.2	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 mm² to 2.5 mm² , 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

FRÄNKISCHE ROHRWERKE Gebr. Kirchner GmbH & Co. KG | 97486 Königsberg/Bayern
Hotline +49 9525 88-8123 | Fax +49 9525 88-151| info.elektro@fraenkische.com | www.fraenkische.com

LAN Access Point 2-Port 1000 DATALIGHT®

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.

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	Easy Switch 6+2-Port 1000 DATALIGHT®	257 31 026
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.

FRÄNKISCHE ROHRWERKE Gebr. Kirchner GmbH & Co. KG | 97486 Königsberg/Bayern
Hotline +49 9525 88-8123 | Fax +49 9525 88-151| info.elektro@fraenkische.com | www.fraenkische.com