



DATALIGHT® Easy Switch 1000

product description:



Switch for distribution and conversion of optical signals, connections for 6 Duplex Fibre 2.2 DATALIGHT and 2 RJ45 plugs, for transfer rates up to 1 Gbps.

The Easy Switch 6+2-Port 1000 DATALIGHT provides network access for up to two devices using RJ45 connectors and 6 connectors for optical fibres to include access points in the network. 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. The Easy Switch can not be managed.



2 x RJ45 / 6 x GE-POF



Art-No.:	Type	Content	PU	Overall-width mm	Overall-height mm	Depth mm	PU/kg
257 31 026	DLES1026	1	PCS	196	30	124	0,942

Characteristics	
Number of ports	2 x RJ45, 6 x POF
Data rate	1 Gbps
Operating temperature	0 °C to +42 °C (32°F to 107°F)
Protecting class according to DIN EN 60529	IP 20
Safety class according to DIN EN 61140	II
Installation	Desktop
external power supply	•
Additional RJ45 ports (1 Gbps)	•

Electrical characteristics	
Voltage	100 - 240 V ~ 50-60 Hz
Maximum power consumption	10 W typical

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)
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





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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 compatibility	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
Network access socket	DLUP1021	257 20 021
Wifi Access Point	DLWUP111	257 21 111
Converter	DLC1011	257 40 011

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.

