

FL SFP SX - Media module

2891754

<https://www.phoenixcontact.com/pc/products/2891754>



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Gigabit SFP module for transmission up to 1 km with a wavelength of 850 nm.

Product description

SFP module with a data transmission speed of 1000 Mbps, a wavelength of 850 nm, and a maximum transmission length of 1 km.

Your advantages

- MSA compliant

Commercial data

Item number	2891754
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNN1ZS
Catalog page	Page 332 (C-6-2019)
GTIN	4046356166782
Weight per piece (including packing)	28.8 g
Weight per piece (excluding packing)	28.8 g
Customs tariff number	85176200
Country of origin	TW

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Technical data

Dimensions

Width	13.7 mm
Height	8.95 mm
Length	56.5 mm

Material specifications

Housing material	Metal
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Mounting

Mounting type	Insert in SFP slot
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Interfaces

Ethernet FO

Connection method	LC
Transmission speed	1 Gbps
Transmit capacity, minimum	-9 dBm
Transmit capacity, maximum	-4 dBm
Minimum receiver sensitivity	-17 dBm
Maximum receiver sensitivity	-3 dBm
Transmission physics	multi-mode fiberglass
Transmission length	275 m (Fiberglass, 62.5/125 µm (OM1))
	550 m (Fiberglass, 50/125 µm (OM2))
	1000 m (Fiberglass, 50/125 µm (OM3))
	1000 m (Fiberglass, 50/125 µm (OM4))
Wavelength	850 nm
Signal LEDs	depending on the Factoryline device
No. of channels	1 (LC multi-mode)

Product properties

Product type	SFP module
Type	Factoryline devices with SFP slot
MTTF	667 Years (Telcordia SR-332, temperature factor at 40°C = 1, stress factor at 50% = 1, environmental factor = 1)
Format	SFP (Small Form-factor Pluggable)

Signaling

Status display	via a Factoryline device
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Electrical properties

Maximum power dissipation for nominal condition	0.8 W
Transmission medium	FO

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Supply

Supply voltage	3.3 V (via Factoryline switch)
Power supply connection	via SFP slot
Max. current consumption	240 mA
Current consumption	240 mA

Connection data

Connection method	To insert in SFP slot
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 75 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C ... 85 °C (non-condensing)
Case temperature	max. 85 °C (Operation)
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Vibration (operation)	in acc. with IEC 60068-2-6: 5g, 150 Hz
Air pressure (operation)	86 kPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3500 m above sea level)

Standards and regulations

Standard designation	Laser equipment safety
Standards/specifications	IEC 60825

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Approvals

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cUL Recognized
Approval ID: FILE E 140403



UL Recognized
Approval ID: FILE E 140403



DNV GL
Approval ID: TAA00000YV



LR
Approval ID: LR22250919TA



NK
Approval ID: TA19464M



BV
Approval ID: 48146/A1 BV



BSH
Approval ID: Nr. 966



RINA
Approval ID: ELE162721XG



ABS
Approval ID: 21-2066186-PDA

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Classifications

ECLASS

ECLASS-11.0	19179090
ECLASS-12.0	19179090
ECLASS-13.0	19179090

ETIM

ETIM 9.0	EC000310
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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