

FL SFP LX - Media module



2891767

<https://www.phoenixcontact.com/us/products/2891767>

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Gigabit SFP module for transmission up to 30 km with a wavelength of 1310 nm.



Your advantages

- MSA compliant

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2891767 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN22 |
| Product key | DNN613 |
| GTIN | 4046356166775 |
| Weight per piece (including packing) | 30.6 g |
| Weight per piece (excluding packing) | 30.6 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 |

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Material specifications

| | |
|------------------|-------|
| Housing material | Metal |
|------------------|-------|

Mounting

| | |
|---------------|--------------------|
| Mounting type | Insert in SFP slot |
|---------------|--------------------|

Interfaces

Ethernet FO

| | |
|------------------------------|---|
| Connection method | LC |
| Transmission speed | 1 Gbps |
| Transmit capacity, minimum | -5 dBm |
| Transmit capacity, maximum | 0 dBm |
| Minimum receiver sensitivity | -24 dBm |
| Maximum receiver sensitivity | -3 dBm |
| Transmission physics | Single-mode fiberglass |
| Transmission length | 30 km (Fiberglass 9/125) 250 m (Fiberglass 62.5/125) |
| Wavelength | 1310 nm |
| Signal LEDs | depending on the Factoryline device |
| No. of channels | 1 (LC single mode) |
| Transmit capacity, minimum | -5 dBm |
| Transmit capacity, maximum | 0 dBm |
| Minimum receiver sensitivity | -3 dBm |
| Maximum receiver sensitivity | -24 dBm |

Product properties

| | |
|-----------------|--|
| Product type | SFP module |
| Type | Factoryline devices with SFP slot |
| MTTF | 748 Years (Telcordia SR-332, temperature factor at 40°C = 1, stress factor at 50% = 1, environmental factor = 1) |
| Format | SFP (Small Form-factor Pluggable) |
| Basic functions | SFP module as FO port |

Signaling

| | |
|----------------|--------------------------|
| Status display | via a Factoryline device |
|----------------|--------------------------|

Electrical properties

| | |
|---|--------|
| Current consumption | 300 mA |
| Maximum power dissipation for nominal condition | 1 W |
| Transmission medium | FO |

Supply

| | |
|--------------------------|--------------------------------|
| Supply voltage | 3.3 V (via Factoryline switch) |
| Power supply connection | via SFP slot |
| Max. current consumption | 300 mA |
| Current consumption | 300 mA |

Connection data

| | |
|-------------------|-----------------------|
| Connection method | To insert in SFP slot |
|-------------------|-----------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C (non-condensing) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (non-condensing) |
| Permissible humidity (operation) | 5 % ... 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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DNV GL

Approval ID: TAA00000YV



LR

Approval ID: LR22250919TA



NK

Approval ID: TA24215M



BV

Approval ID: 48146_B1 BV

BSH

Approval ID: Nr. 966



RINA

Approval ID: ELE014724XG001

ABS

Approval ID: 21_2066186_1_PDA



cULus Recognized

Approval ID: E140403

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19179090 |
| ECLASS-15.0 | 19179090 |

ETIM

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|----------|----------|
| ETIM 9.0 | EC000310 |
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UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 43222600 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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