

FL SFP LX10-B - Media module

1025401

<https://www.phoenixcontact.com/us/products/1025401>

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Gigabit SFP module for transmission up to 10 km with a wavelength of 1310 nm.



Product description

DDI, Digital Diagnostic Monitoring Interface

Your advantages

- MSA compliant



Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1025401 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN22 |
| Product key | DNN613 |
| GTIN | 4055626517148 |
| Weight per piece (including packing) | 29.8 g |
| Weight per piece (excluding packing) | 29.8 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 |

Notes

Note on application

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

Material specifications

| | |
|------------------|----------------------------|
| Color (Housing) | white aluminium (RAL 9006) |
| Housing material | Metal |

Mounting

| | |
|---------------|-----------------------------|
| Mounting type | Plug-in mounting (SFP port) |
|---------------|-----------------------------|

Interfaces

Ethernet FO

| | |
|------------------------------|-------------------------------------|
| Connection method | LC |
| Transmission speed | 1 Gbps |
| Transmit capacity, minimum | -9.5 dBm |
| Transmit capacity, maximum | -3 dBm |
| Minimum receiver sensitivity | -21 dBm |
| Maximum receiver sensitivity | -3 dBm |
| Transmission physics | Single-mode fiberglass |
| Transmission length | 10 km (Fiberglass 9/125) |
| Wavelength | 1310 nm |
| Signal LEDs | depending on the Factoryline device |
| No. of channels | 1 (LC single mode) |

Product properties

| | |
|--------------|---|
| Product type | SFP module |
| Type | Factoryline devices with SFP slot |
| MTTF | 59 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 |
|----------------|--------------------------|

Electrical properties

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| | |
|---------------------|----|
| Transmission medium | FO |
|---------------------|----|

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 70 °C (non-condensing) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (non-condensing) |
| Case temperature | max. 70 °C (Operation) |
| 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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cULus Recognized
Approval ID: E140403

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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002608 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| 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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|--------------|
| CO2e kg | 3.96 kg CO2e |
|---------|--------------|

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