

# FL SFP LX10-B - Media module

1025401

<https://www.phoenixcontact.com/gb/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 DiagnosticMonitoring Interface

## Your advantages

- MSA compliant



## Commercial data

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

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|                                      |          |
|--------------------------------------|----------|
| 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 | Only for industrial use                                                                                                                                                                                                       |
| Note on application | As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA. |

### 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) |
| Special properties | The product is being prepared for compliance with the Cyber Resilience Act (CRA)                                |
| Format             | SFP (Small Form-factor Pluggable)                                                                               |

### Signaling

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

## Electrical properties

|                     |    |
|---------------------|----|
| 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

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1025401>



**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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