

# FL SFP FX SM - Media module



2891082

<https://www.phoenixcontact.com/us/products/2891082>

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The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

## Your advantages

- Network structure according to IEC 61850
- IEEE 1613
- MSA compliant

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2891082             |
| Packing unit                         | 1 pc                |
| Sales key                            | DN22                |
| Product key                          | DNN1ZS              |
| Catalog page                         | Page 332 (C-6-2019) |
| GTIN                                 | 4046356800969       |
| Weight per piece (including packing) | 30.4 g              |
| Weight per piece (excluding packing) | 16 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 |
|------------------|-------|

### Mounting

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

### Interfaces

#### Ethernet FO

|                              |                                         |
|------------------------------|-----------------------------------------|
| Connection method            | 1 LC socket at the SFP module, 100 Mbps |
| Transmission speed           | 100 Mbps                                |
| Minimum receiver sensitivity | -30 dBm                                 |
| Maximum receiver sensitivity | -3 dBm                                  |
| Transmission physics         | Single-mode fiberglass                  |
| Transmission length          | typ. 40 km                              |
| 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 |
| Format       | SFP (Small Form-factor Pluggable) |

### Signaling

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

### Electrical properties

|                     |                        |
|---------------------|------------------------|
| Transmission medium | Single-mode fiberglass |
|---------------------|------------------------|

#### Supply

|                         |                                |
|-------------------------|--------------------------------|
| Supply voltage          | 3.3 V (via Factoryline switch) |
| Power supply connection | via SFP slot                   |

### Connection data

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

### Environmental and real-life conditions

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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)         | 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) |

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)