

# FL SFP FE WDM20-A - Media module



2702437  
<https://www.phoenixcontact.com/us/products/2702437>

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Fast Ethernet SFP WDM module for transmission up to a maximum of 20 km on a single fiber with a wavelength of 1310/1550 nm.

## Product description

SFP WDM module with a data transmission speed of 100 Mbps, a wavelength of 1310/1550 nm, and a maximum transmission length of 20 km.

## Your advantages

- MSA compliant

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2702437             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | DN22                |
| Product key                          | DNN1ZS              |
| Catalog page                         | Page 333 (C-6-2019) |
| GTIN                                 | 4055626189031       |
| Weight per piece (including packing) | 33 g                |
| Weight per piece (excluding packing) | 33 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            | LC                                  |
| Transmission speed           | 100 Mbps                            |
| Transmit capacity, minimum   | -14 dBm                             |
| Transmit capacity, maximum   | -8 dBm                              |
| Minimum receiver sensitivity | -32 dBm                             |
| Maximum receiver sensitivity | -3 dBm                              |
| Transmission physics         | Single-mode fiberglass              |
| Transmission length          | 20 km (Fiberglass 9/125)            |
| Wavelength                   | 1310 nm (TX)<br>1550 nm (RX)        |
| 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         | 201 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

|                                                 |     |
|-------------------------------------------------|-----|
| Maximum power dissipation for nominal condition | 1 W |
| Transmission medium                             | FO  |

#### Supply

|                |                                |
|----------------|--------------------------------|
| Supply voltage | 3.3 V (via Factoryline switch) |
|----------------|--------------------------------|

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|                          |              |
|--------------------------|--------------|
| Power supply connection  | via SFP slot |
| Max. current consumption | 300 mA       |
| Current consumption      | 300 mA       |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Degree of protection                    | IP20                              |
| Ambient temperature (operation)         | -40 °C ... 75 °C                  |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (non-condensing) |
| Case temperature                        | max. 85 °C (Operation)            |

## 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/us/products/2702437>



**DNV GL**

Approval ID: TAA00000YV



**LR**

Approval ID: LR22250919TA



**NK**

Approval ID: TA24215M



**BV**

Approval ID: 48146\_B0 BV

**BSH**

Approval ID: Nr. 966



**RINA**

Approval ID: ELE014724XG001

**ABS**

Approval ID: 21\_2066186\_1\_PDA

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## Classifications

### ECLASS

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

### ETIM

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

### 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%               |

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