

# FL IF 2POF SCRJ-D - Media module



2891084  
<https://www.phoenixcontact.com/us/products/2891084>

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Fiber optic interface module for connecting 100 Base-FX POF/PCF fibers (650 nm), SC-RJ, connection direction downward

## Your advantages

- Fiber optic modules that can be diagnosed in PROFINET for electrically isolated transmission

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2891084       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN17          |
| Product key                          | DNN123        |
| GTIN                                 | 4046356089111 |
| Weight per piece (including packing) | 99.7 g        |
| Weight per piece (excluding packing) | 80 g          |
| Customs tariff number                | 85176200      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Product type    | Extension module                                          |
| Type            | fine granularity                                          |
| Basic functions | Media module for Modular Managed Switch with FO diagnosis |

### System properties

#### Functionality

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Basic functions | Media module for Modular Managed Switch with FO diagnosis |
|-----------------|-----------------------------------------------------------|

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Maximum power dissipation for nominal condition | 21.6 W |
| Transmission medium                             | FO     |

#### Supply

|                             |                            |
|-----------------------------|----------------------------|
| Supply voltage (DC)         | 48 V DC (via head station) |
| Power supply connection     | from FL SWITCH GHS or FXT  |
| Typical current consumption | 200 mA                     |

#### Brake to be connected

|                   |                                               |
|-------------------|-----------------------------------------------|
| Connection method | Can be plugged onto FL SWITCH MM HS or FL MXT |
|-------------------|-----------------------------------------------|

### Connection data

|                   |                                               |
|-------------------|-----------------------------------------------|
| Connection method | Can be plugged onto FL SWITCH MM HS or FL MXT |
|-------------------|-----------------------------------------------|

### Interfaces

|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Transmission length | max. 50 m (including 3 dB system reserve, polymer fiber with 980/1000 230 dB/km) |
|---------------------|----------------------------------------------------------------------------------|

#### Fiber optic interface

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| Connection method   | SC-RJ                                                                           |
| Transmission speed  | 100 Mbps                                                                        |
| Transmission length | 50 m (including 3 dB system reserve, polymer fiber with F-K 980/1000 230 dB/km) |
|                     | 100 m (PCF fiber with F-S 200/230 10 dB/km)                                     |
| No. of channels     | 2 (SC-RJ)                                                                       |

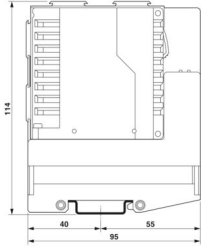
### Dimensions

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|                                                                                    |         |
|------------------------------------------------------------------------------------|---------|
| Dimensional drawing                                                                |         |
|  |         |
| Width                                                                              | 31 mm   |
| Height                                                                             | 73.5 mm |
| Depth                                                                              | 72.5 mm |

## Material specifications

|                                        |       |
|----------------------------------------|-------|
| Color                                  | green |
| Flammability rating according to UL 94 | V0    |
| Housing material                       | PA    |

## Environmental and real-life conditions

|                                          |                                        |
|------------------------------------------|----------------------------------------|
| Ambient conditions                       |                                        |
| Degree of protection                     | IP20                                   |
| Ambient temperature (operation)          | 0 °C ... 55 °C (non-condensing)        |
| Ambient temperature (storage/transport)  | -20 °C ... 70 °C                       |
| Permissible humidity (operation)         | 10 % ... 95 % (non-condensing)         |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing)         |
| Vibration (operation)                    | in acc. with IEC 60068-2-6: 5g, 150 Hz |

## EMC data

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise immunity                | EN 61000-6-2:2005                          |

|                       |                 |
|-----------------------|-----------------|
| Noise emission        |                 |
| Standards/regulations | EN 61000-6-3/-4 |

## Mounting

|               |                    |
|---------------|--------------------|
| Mounting type | In the host system |
|---------------|--------------------|

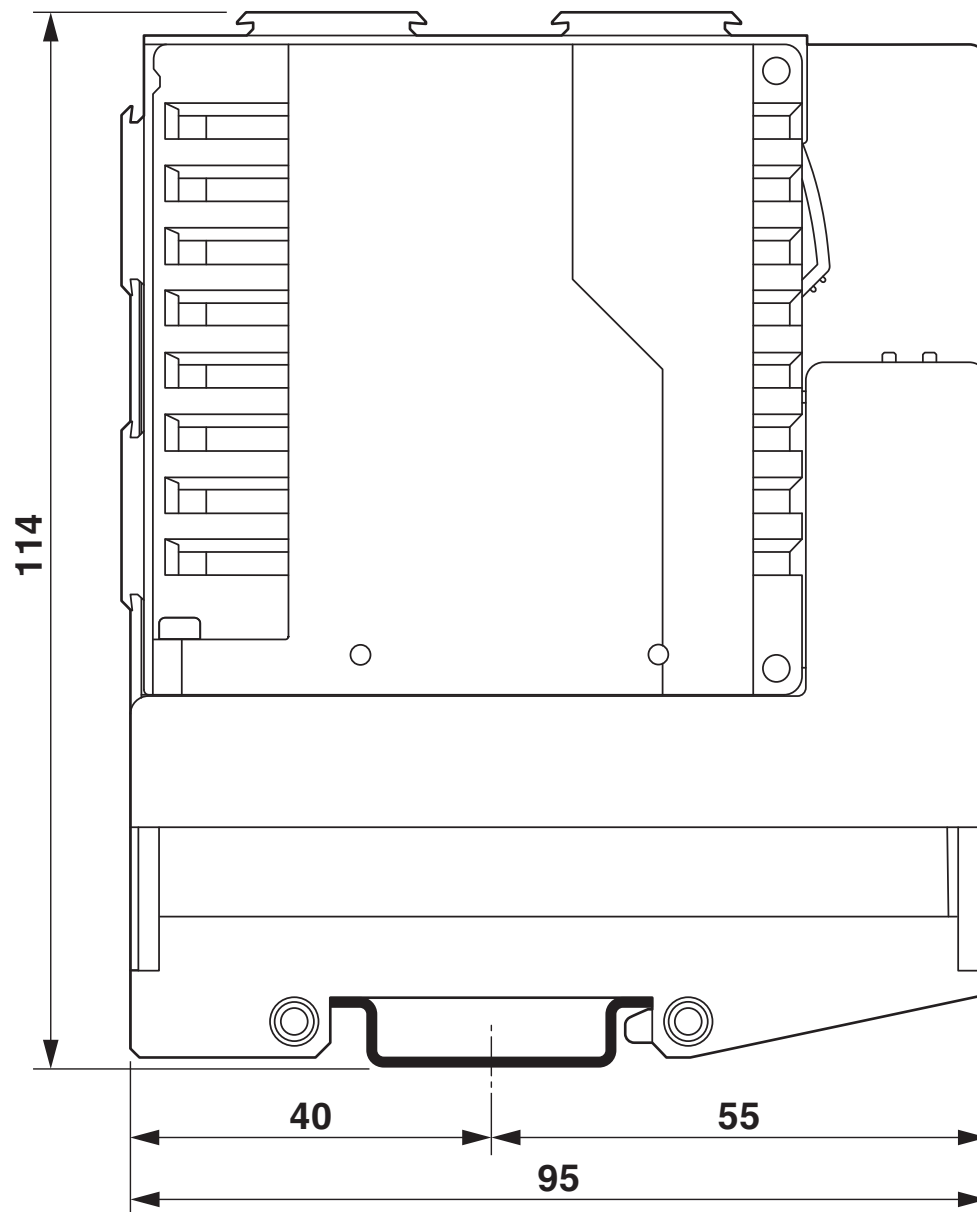
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## Drawings

Dimensional drawing



The figure shows a version of the interface module with the head station FL SWITCH MM HS

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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891084>



**cUL Recognized**  
Approval ID: E140324



**UL Recognized**  
Approval ID: E140324

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170411 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001467 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43201500 |
|-------------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(c)-I                                                                                                                                                                                                                            |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%                                                                                                                                                                                                        |

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