

# PSM-SET-B-FOC/4-HCS - FO connectors



2708481

<https://www.phoenixcontact.com/us/products/2708481>

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FO connectors, degree of protection: IP20, number of positions: 4, MM, material: Metal, connection method: Cable connection, cable outlet: straight



ST simplex connector, IP20

## Your advantages

- Suitable for quick and easy field assembly or repair
- Flexible application, thanks to reusable connector
- Outstanding transmission properties
- Ideal for PCF step-index (SI) fibers
- Robust design, thanks to B-FOC pin connector pattern
- No bonding or polishing

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2708481       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB16          |
| Product key                          | ABNIAB        |
| GTIN                                 | 4017918974145 |
| Weight per piece (including packing) | 27.9 g        |
| Weight per piece (excluding packing) | 27.35 g       |
| Customs tariff number                | 85367000      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                     |                                    |
|---------------------|------------------------------------|
| Product type        | Fiber optic connector (cable side) |
| Number of positions | 4                                  |
| Cable outlet        | straight                           |

### Insulation characteristics

|                      |   |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution  | 2 |

### Electrical properties

|   |                                     |
|---|-------------------------------------|
| Attenuation                             | $\geq 2$ dB (Insertion attenuation) |
| Transmission medium                     | FO                                  |
| Transmission characteristics (category) | MM                                  |

### Connection data

|                   |                  |
|-------------------|------------------|
| Connection method | Cable connection |
|-------------------|------------------|

### Dimensions

|        |        |
|--------|--------|
| Width  | 9.5 mm |
| Length | 82 mm  |

### Mechanical characteristics

|                  |         |
|------------------|---------|
| Ferrule diameter | 2.50 mm |
|------------------|---------|

### Material specifications

|  |       |
|--|-------|
| Material                               | Metal |
| Flammability rating according to UL 94 | V0    |
| Housing material                       | Metal |

### Cable/line

|                          |                   |
|--------------------------|-------------------|
| Cable type               | PCF 200/230       |
| Cable type               | Single wires      |
| External cable diameter  | 2.9 mm ... 2.9 mm |
| Individual wire diameter | 2.9 mm            |

### FO cable

|                     |                 |
|---------------------|-----------------|
| Fiber               | 200/230 $\mu$ m |
| Fiber type          | PCF             |
| Attenuation         | $\leq 1.5$ dB   |
| Transmission medium | FO              |

### Characteristics

|             |                                     |
|-------------|-------------------------------------|
| Attenuation | $\geq 2$ dB (Insertion attenuation) |
|-------------|-------------------------------------|

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## Environmental and real-life conditions

### Ambient conditions

|   |                  |
|---|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -25 °C ... 70 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Ambient temperature (assembly)          | 0 °C ... 50 °C   |

## Mounting

|                  |                    |
|------------------|--------------------|
| Mounting type    | For field assembly |
| cable layer type | Indoors            |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170122 |
| ECLASS-15.0 | 19170122 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001122 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

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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 | 9.642 kg CO2e |
|---------|---------------|

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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)