

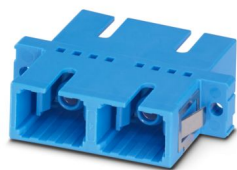
# FOC-ADAPTER:SCD/SCD-OSP - Fiber optic coupling



1208086  
<https://www.phoenixcontact.com/us/products/1208086>

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Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight, color: blue



## Your advantages

- High reliability with comprehensive quality assurance measures
- Optimized precision (stability) with the use of ceramic sleeves
- Versatile range of applications with an extended temperature range and various mounting options
- Optimum compatibility with the FDX20 series splice boxes
- Future-proof, thanks to RoHS 2 conformity

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1208086       |
| Packing unit                         | 6 pc          |
| Minimum order quantity               | 6 pc          |
| Sales key                            | AB16          |
| Product key                          | ABNIDA        |
| GTIN                                 | 4063151277307 |
| Weight per piece (including packing) | 9.16 g        |
| Weight per piece (excluding packing) | 8.966 g       |
| Customs tariff number                | 85367000      |
| Country of origin                    | CN            |

## Technical data

### Product properties

|                     |               |
|---------------------|---------------|
| Product type        | Female insert |
| Type                | SC            |
| Number of positions | 2             |
| Connection profile  | SC            |
| Number of slots     | 2             |
| Cable outlet        | straight      |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 00 |
|------------------|----|

### Insulation characteristics

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

### Electrical properties

|                       |                       |
|-----------------------|-----------------------|
| Rated surge voltage   | 0.8 kV                |
| Attenuation           | $\leq 0.2$ dB         |
| Insulation resistance | $\geq 500$ M $\Omega$ |
| Nominal current $I_N$ | 0.5 A                 |
| Transmission medium   | FO                    |

### Connection data

#### Connection technology

|                   |          |
|-------------------|----------|
| Connection method | Coupling |
|-------------------|----------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 34.7 mm |
| Height | 9.4 mm  |
| Length | 27.4 mm |

### Mechanical characteristics

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

### Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Color                                  | blue         |
| Color of the housing part              | blue         |
| Flammability rating according to UL 94 | V0           |
| Housing material                       | Plastic      |
| Contact material                       | Copper alloy |

### Cable/line

|            |            |
|------------|------------|
| Cable type | Fiberglass |
|------------|------------|

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|                                       |      |
|---------------------------------------|------|
| External sheath, color                | blue |
| Tensile strength short-term/long-term | 40 N |
| Flame resistance                      | yes  |

## FO cable

|                  |            |
|------------------|------------|
| Number of fibers | 2          |
| Fiber            | 9/125 µm   |
| Fiber type       | Singlemode |
| Attenuation      | ≤ 0.2 dB   |

## Mechanical properties

|                                       |      |
|---------------------------------------|------|
| Tensile strength short-term/long-term | 40 N |
|---------------------------------------|------|

## Characteristics

|             |          |
|-------------|----------|
| Attenuation | ≤ 0.2 dB |
|-------------|----------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
|                                         | IP20             |
| Ambient temperature (operation)         | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Ambient temperature (assembly)          | 0 °C ... 50 °C   |
| Resistance to UV radiation              | no               |

## Standards and regulations

|                  |     |
|------------------|-----|
| Flame resistance | yes |
|------------------|-----|



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Classifications

ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440390 |
| ECLASS-13.0 | 19170116 |
| ECLASS-12.0 | 27440390 |

ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000752 |
|----------|----------|

UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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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