

# FOC-ADAPTER:SCD/SCD-MM-ME - Fiber optic coupling



1208083

<https://www.phoenixcontact.com/us/products/1208083>

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Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Metal, connection method: Coupling, cable outlet: straight, color: silver/matt, Ethernet



## 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
- Suitable for use for all multimode classes
- Optimum compatibility with the FDX20 series splice boxes
- Future-proof with RoHS 2 conformity

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1208083       |
| Packing unit                         | 6 pc          |
| Minimum order quantity               | 6 pc          |
| Sales key                            | AB16          |
| Product key                          | ABNIDA        |
| GTIN                                 | 4063151276591 |
| Weight per piece (including packing) | 18.8 g        |
| Weight per piece (excluding packing) | 18.8 g        |
| Customs tariff number                | 85367000      |
| Country of origin                    | CN            |

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## Technical data

### Product properties

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

### Insulation characteristics

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

### Electrical properties

|                       |          |
|-----------------------|----------|
| Rated surge voltage   | 0.8 kV   |
| Attenuation           | ≤ 0.2 dB |
| Insulation resistance | ≥ 500 MΩ |
| 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                                  | silver/matt  |
| Color of the housing part              | silver       |
| Flammability rating according to UL 94 | V0           |
| Housing material                       | Metal        |
| Housing surface material               | metal-plated |
| Contact surface material               | Gold         |

### Cable/line

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

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|                                       |                |
|---------------------------------------|----------------|
| External sheath, color                | silver-colored |
| Tensile strength short-term/long-term | 40 N           |
| Halogen-free                          | yes            |
| Resistance to oil                     | yes            |
| Flame resistance                      | yes            |

## FO cable

|                  |            |
|------------------|------------|
| Number of fibers | 2          |
| Fiber            | 50/125 µm  |
| Fiber type       | Fiberglass |
| Attenuation      | ≤ 0.15 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)         | -40 °C ... 75 °C |
| Ambient temperature (storage/transport) | -55 °C ... 85 °C |
| Ambient temperature (assembly)          | 0 °C ... 50 °C   |
| Resistance to UV radiation              | yes              |
| Resistance to oil                       | yes              |

## Standards and regulations

|                            |     |
|----------------------------|-----|
| Resistance to UV radiation | yes |
| Flame resistance           | yes |
| Resistance to oil          | yes |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440392 |
| ECLASS-13.0 | 19170116 |
| ECLASS-12.0 | 27440392 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002943 |
|----------|----------|

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