

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



1208081

<https://www.phoenixcontact.com/us/products/1208081>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Fiber optic coupling, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight, color: beige, 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	1208081
Packing unit	1 pc
Minimum order quantity	6 pc
Sales key	AB16
Product key	ABNIDA
GTIN	4063151277208
Weight per piece (including packing)	9.03 g
Weight per piece (excluding packing)	9.03 g
Customs tariff number	85367000
Country of origin	CN

1208081

<https://www.phoenixcontact.com/us/products/1208081>

## Technical data

### Product properties

Type	SC
Product type	Female insert
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	beige
Color of the housing part	beige
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Housing material	Plastic

### Cable/line

Cable type	Fiberglass
External sheath, color	beige

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



1208081

<https://www.phoenixcontact.com/us/products/1208081>

Tensile strength short-term/long-term	40 N
Flame resistance	yes

## FO cable

Number of fibers	2
Fiber	50/125 µm
Fiber type	Multimode
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

Resistance to UV radiation	no
Flame resistance	yes

## Mounting

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

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



1208081

<https://www.phoenixcontact.com/us/products/1208081>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1208081>



**EAC**

Approval ID: B.01687

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



1208081

<https://www.phoenixcontact.com/us/products/1208081>

## Classifications

### ECLASS

ECLASS-11.0	27440392
ECLASS-13.0	27440392
ECLASS-12.0	27440392

### ETIM

ETIM 8.0	EC002943
----------	----------

### UNSPSC

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

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



1208081

<https://www.phoenixcontact.com/us/products/1208081>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

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