

1208085  
<https://www.phoenixcontact.com/us/products/1208085>

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.



FO coupling, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight, color: violet, 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
- Optimum compatibility with the FDX20 series splice boxes
- Future-proof, thanks to RoHS 2 conformity

Commercial data

Item number	1208085
Packing unit	6 pc
Minimum order quantity	6 pc
Sales key	AB16
Product key	ABNIDA
GTIN	4063151275860
Weight per piece (including packing)	9.083 g
Weight per piece (excluding packing)	9.083 g
Customs tariff number	85367000
Country of origin	CN

## Technical data

### Product properties

Product type	Data plug
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	$\leq 0.2$ dB
Insulation resistance	$\geq 500$ M $\Omega$
Nominal current $I_N$	0.5 A
Transmission medium	FO

### Connection data

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

### Cable/line

Cable type	Fiberglass
External sheath, color	violet
Tensile strength short-term/long-term	40 N
Flame resistance	yes

# FOC-ADAPTER:SCD/SCD-OM4 - FO coupling



1208085

<https://www.phoenixcontact.com/us/products/1208085>

## 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

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

1208085

<https://www.phoenixcontact.com/us/products/1208085>

Classifications

ECLASS

ECLASS-13.0	19170116
ECLASS-15.0	19170116

ETIM

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

UNSPSC

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

# FOC-ADAPTER:SCD/SCD-OM4 - FO coupling



1208085

<https://www.phoenixcontact.com/us/products/1208085>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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)