

# FOC-ADAPTER:SCD/SCD-OM4 - Fiber optic coupling



1208085

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

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Fiber optic 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	≤ 0.2 dB
Insulation resistance	≥ 500 MΩ
Nominal current $I_N$	0.5 A
Transmission medium	FO

### Connection data

Connection method	Coupling
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### Dimensions

Width	34.7 mm
Height	9.4 mm
Length	27.4 mm

### Mechanical characteristics

Ferrule diameter	2.50 mm
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### 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

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## 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
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## Characteristics

Attenuation	≤ 0.2 dB
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## 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-13.0	19170116
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### ETIM

ETIM 9.0	EC000752
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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