

# FOC-ADAPTER:ST/ST-SM - Fiber optic coupling



1208100

<https://www.phoenixcontact.com/us/products/1208100>

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Fiber optic coupling, degree of protection: IP20, number of positions: 1, material: Metal, connection method: Coupling, cable outlet: straight, color: silver/matt

## 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
- Future-proof, thanks to RoHS 2 conformity

## Commercial data

Item number	1208100
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	AB16
Product key	ABNIDA
GTIN	4063151275976
Weight per piece (including packing)	10.12 g
Weight per piece (excluding packing)	1 g
Customs tariff number	85367000
Country of origin	CN

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## Technical data

### Product properties

Product type	Data plug
Number of positions	1
Connection profile	B-FOC (ST®)
Number of slots	1
Cable outlet	straight

### Insulation characteristics

Overvoltage category	III
Degree of pollution	2

### Electrical properties

Rated surge voltage	0.8 kV
Nominal current $I_N$	0.5 A
Transmission medium	FO

### Connection data

Connection method	Coupling
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### Dimensions

Width	14.7 mm
Height	14.7 mm
Length	29.3 mm

### Mechanical characteristics

Ferrule diameter	2.50 mm
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### 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
External sheath, color	silver-colored
Tensile strength short-term/long-term	40 N
Halogen-free	yes
Flame resistance	yes

### FO cable

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Number of fibers	1
Fiber	9/125 µm
Fiber type	Singlemode
Attenuation	≤ 0.35 dB

## Mechanical properties

Tensile strength short-term/long-term	40 N
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 55 °C
Resistance to UV radiation	yes

## 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
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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