

# FOC-I-D1PGR-S/SCGCSM - FO coupling



1041800  
<https://www.phoenixcontact.com/us/products/1041800>

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FO coupling, design: SC, degree of protection: IP20, number of positions: 2, material: Plastic, connection method: Coupling, cable outlet: straight

## Product description

SC-Simplex coupling single mode APC, suitable for single mode and multimode applications, integrated self-closing metal laser protection flaps, guide sleeve made of zirconia (ceramic)

## Your advantages

- High reliability with comprehensive quality assurance measures
- Optimized precision (stability) with the use of ceramic sleeves
- Future-proof, thanks to RoHS 2 conformity
- Tailored for compatibility with the DIN rail adapters
- Assembly without special tools
- Flexible use, thanks to DIN rail and direct mounting

## Commercial data

Item number	1041800
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIDA
GTIN	4055626596877
Weight per piece (including packing)	6.7 g
Weight per piece (excluding packing)	6.7 g
Customs tariff number	85367000
Country of origin	CN

## Technical data

### Notes

Notes on operation	For integration into DIN rail adapter NBC-PP-G1PGY
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### Product properties

Product type	Data plug
Type	SC
Number of positions	2
Connection profile	SCRJ
No. of cable outlets	2
Number of slots	1
Protective cover	yes
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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### Material specifications

Color of the housing part	green
Flammability rating according to UL 94	V0
Ferrule material	Zirconia ceramics
Housing material	Plastic
Contact material	Copper alloy

### Cable/line

Cable type	Fiberglass
External sheath, color	silver-colored
Tensile strength short-term/long-term	40 N
Resistance to oil	no

### FO cable

Number of fibers	2
Attenuation	≤ 0.2 dB

### Mechanical properties

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Tensile strength short-term/long-term	40 N
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## Mechanical data

Insertion/withdrawal cycles	≥ 500
Extraction force per signal contact	≥ 70 N

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-10 °C ... 70 °C
Resistance to UV radiation	no
Resistance to oil	no

## Standards and regulations

Resistance to oil	no
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## Mounting

Mounting type	Snap in
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## Classifications

### ECLASS

ECLASS-13.0	19170116
ECLASS-15.0	19170116

### ETIM

ETIM 9.0	EC000752
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### UNSPSC

UNSPSC 21.0	26121600
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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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