

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



1041800

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

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, 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
--------------------	--

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
-------------------	----------

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

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



1041800

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

Tensile strength short-term/long-term	40 N
---------------------------------------	------

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
-------------------	----

Mounting

Mounting type	Snap in
---------------	---------

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



1041800

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

Classifications

ECLASS

ECLASS-13.0	19170116
ECLASS-15.0	19170116

ETIM

ETIM 10.0	EC000752
-----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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



1041800

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

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 2026 © - 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