

VS-SCRJ-POF-FA-IP20 - FO connectors



1654879

<https://www.phoenixcontact.com/us/products/1654879>

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FO connectors, degree of protection: IP20, number of positions: 2, MM, material: Metal, connection method: Push-pull, cable outlet: straight, color: black

Product description

SC-RJ fiber optic connector, IP20, duplex, with fast connection technology, for polymer fiber 980/1000 µm, for individual wire diameter 2.2 mm

Your advantages

- Compact design, thanks to SC-RJ pin connector pattern
- Outstanding transmission properties
- Suitable for quick and easy field assembly or repair
- No bonding or polishing
- Flexible application, thanks to reusable connectors

Commercial data

Item number	1654879
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIAA
Catalog page	Page 376 (C-2-2019)
GTIN	4046356028844
Weight per piece (including packing)	17.35 g
Weight per piece (excluding packing)	16.2 g
Customs tariff number	85367000
Country of origin	DE

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Technical data

Notes

General	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.3 Connectors for inside environment (optical fibre)
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Product properties

Type	SC-RJ
Product type	Data connector (cable side)
Number of positions	2
Connection profile	SC-RJ
Application	neutral
Type	SC-RJ
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Attenuation	≤ 1.5 dB (Insertion attenuation)
Transmission medium	FO
Transmission characteristics (category)	MM

Connection data

Connection technology

Connection method	Push-Pull
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Dimensions

Width	16.5 mm
Height	11 mm
Length	83 mm

Material specifications

Color	black
Material	Plastic
Flammability rating according to UL 94	V0
Ferrule material	Copper alloy
Housing surface material	nickel-plated
Housing material	Metal

Cable/line

Cable type	Plastic fiber
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External cable diameter ()	2.2 mm ... 2.2 mm
External cable diameter	≤ 3.00 mm
Wire diameter	2.2 mm
Individual wire diameter	2.2 mm
Flame resistance	yes

FO cable

Number of fibers	2
Fiber	980/1000 μm
Fiber type	POF

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 500
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Characteristics

Attenuation	≤ 1.5 dB (Insertion attenuation)
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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)	-25 °C ... 70 °C
Ambient temperature (assembly)	0 °C ... 50 °C

Standards and regulations

Flame resistance	yes
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Mounting

cable layer type	Indoors
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Classifications

ECLASS

ECLASS-11.0	19170122
ECLASS-12.0	19170122
ECLASS-13.0	19170122

ETIM

ETIM 9.0	EC001122
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UNSPSC

UNSPSC 21.0	43223300
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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