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

1654879

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SC-RJ

FO connectors, SC-RJ, MM, 2-position, connection method: Push-Pull, material: Metal, degree of protection: IP20, 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 connector

Commercial data

Item number	1654879
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIAA
GTIN	4046356028844
Weight per piece (including packing)	17.35 g
Weight per piece (excluding packing)	8.126 g
Customs tariff number	85367000
Country of origin	DE

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)

Product properties

Product type	Fiber optic connector (cable side)
Application	neutral
Type	SC-RJ
Number of positions	2
Connection profile	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 method	Push-Pull
Screw thread	ja

Dimensions

Width	16.5 mm
Height	11 mm
Length	83 mm

Mechanical characteristics

Ferrule diameter	2.5 mm

Material specifications

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

Cable/line

Cable type	Plastic fiber
External cable diameter	2.2 mm ... 2.2 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

Characteristics

Attenuation	≤ 1.5 dB (Insertion attenuation)

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

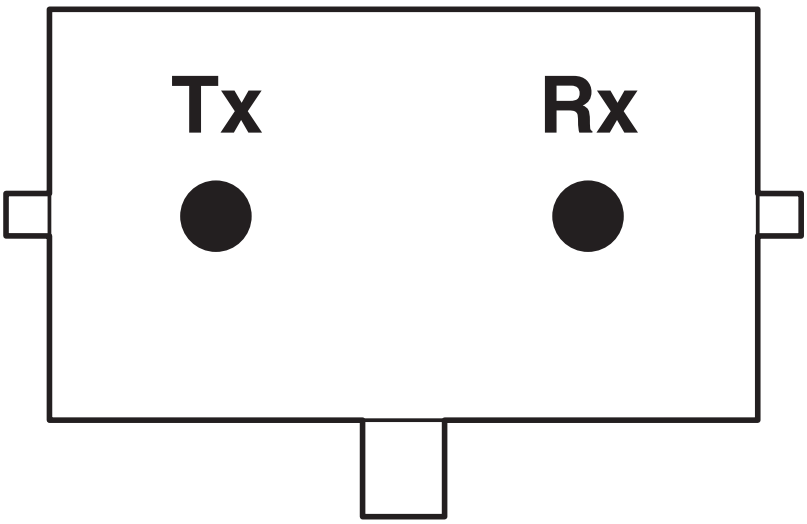
Flame resistance	yes

Mounting

cable layer type	Indoors

Drawings

Schematic diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1654879

UL Listed
Approval ID: E308814-20070105

Classifications

ECLASS

ECLASS-13.0	19170122
ECLASS-15.0	19170122

ETIM

ETIM 10.0	EC001122

UNSPSC

UNSPSC 21.0	43223300

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%

EF3.1 Climate Change

CO2e kg	1.47 kg CO2e

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