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

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 connector

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

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	Data connector (cable side)
Application	neutral
Type	SC-RJ
Number of positions	2
Connection profile	SC-RJ
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

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 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

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Drawings

Dimensional drawing
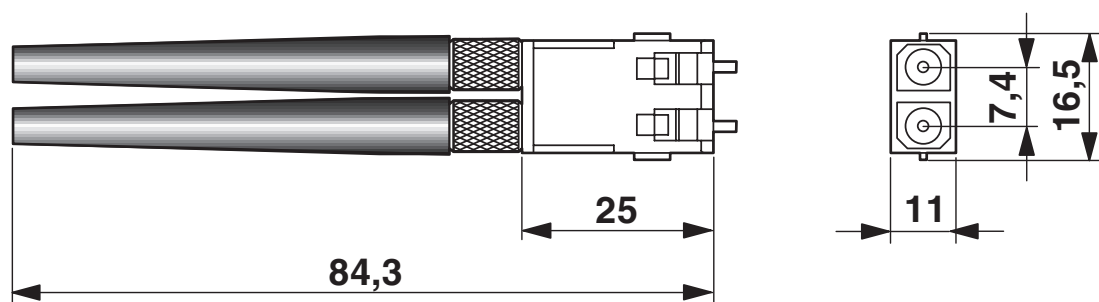
SC-RJ connector IP20

Schematic diagram
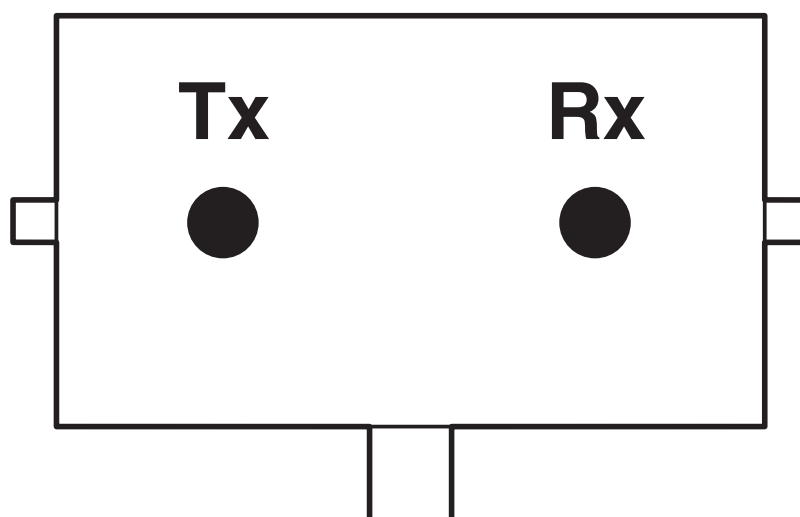
Classifications

ECLASS

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

ETIM

ETIM 9.0	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%

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Accessories

PSM-LWL-KDHEAVY-980/1000 - FO cable

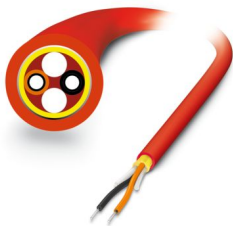2744319

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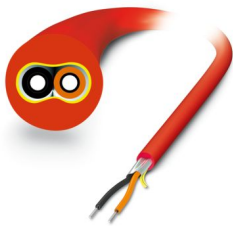
Polymer fiber cable, duplex 980 μm/1000 μm, medium-weight version for installation in stationary systems and machines, by the meter without male connector

PSM-LWL-RUGGED-980/1000 - FO cable

2744322

https://www.phoenixcontact.com/us/products/2744322

Polymer fiber cable, duplex 980μm/1000μm, heavy-weight version for installation in stationary systems and machines, by the meter without male connector

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PSM-LWL-RUGGED-FLEX-980/1000 - FO cable

2744335

https://www.phoenixcontact.com/us/products/2744335

Polymer fiber cable, duplex 980/1000 µm, heavy-weight, highly flexible version for flexible conduit applications, by the meter, without connector

FL FOC PN-B-980/1000 - FO cable

2313397

https://www.phoenixcontact.com/us/products/2313397

PROFINET polymer fiber cable, duplex 980 µm/1000 µm, heavy-weight design, for installation in stationary systems and machines, by the meter, without male connector

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FL FOC PN-C-FLEX-980/1000 - FO cable

2313407

https://www.phoenixcontact.com/us/products/2313407

PROFINET polymer fiber cable, duplex, 980/1000 µm, heavy-weight highly flexible design, for flexible cable conduit applications, by the meter, without connector

FOC-RUGGED-1012/IP20/... - FO patch cable

2901548

https://www.phoenixcontact.com/us/products/2901548

Robust POF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines with individual elements made of polyamide (PA), halogen-free, ozone and UV resistant, with reinforced polyurethane (PUR) outer sheath

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FOC-RUGGED-FLEX-1013/IP20/... - FO patch cable

2901549

https://www.phoenixcontact.com/us/products/2901549

Highly flexible POF round cable (IP20 heads only) for use in drag chains. Individual elements made from extremely wear-resistant polyamide (PA). The cable is halogen-free, ozone and UV resistant, and has a rugged polyurethane (PUR) outer sheath.

FOC-PN-B-1000/IP20/... - FO patch cable

2901551

https://www.phoenixcontact.com/us/products/2901551

POF PROFINET installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, individual elements of polyamide (PA), halogen-free, ozone- and UV-resistant, with reinforced polyurethane (PUR) outer sheath

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FOC-PN-C-1003/IP20/? - FO patch cable

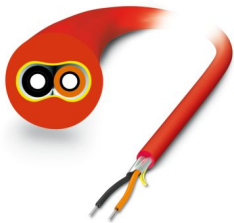2901552

https://www.phoenixcontact.com/us/products/2901552

Highly flexible POF PROFINET cable (IP20 heads only) for use in drag chains. Individual elements made from extremely wear-resistant polyamide (PA). The cable is halogen-free, ozone and UV resistant, and has a rugged polyurethane (PUR) outer sheath.

FOC-KDHEAVY-1011/IP20/... - FO patch cable

2901553

https://www.phoenixcontact.com/us/products/2901553

POF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines with individual elements made of polyamide (PA), halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

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VS-SCRJ-GOF-BU/BU - SC-RJ female insert

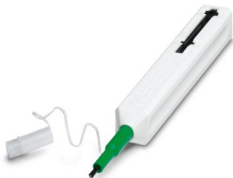1652978

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SC-RJ socket insert, duplex, for VS-A-F-IP67 panel mounting frame, can be used for fiberglass (multi-mode and single mode), PCF, and polymer fibers

FOC-TOOL-FERRULECLEANER-2.50 - FO accessories

1407029

https://www.phoenixcontact.com/us/products/1407029

2.50 mm ferrule cleaner, for ST, SC, FC, E2000 (also APC), approx. 500 cleaning cycles

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VS-SCRJ-POF-KONFTOOL-POLISH - FO accessories

1658820

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SC-RJ polishing tool set, for polymer fiber, for field assembly of the SC-RJ connector (IP20/IP67) with fast connection technology, with stripping tool, diagonal cutter, aramid scissors, polishing materials, microscope, 2x SC-RJ connector IP20

VS-SCRJ-POF-POLISH - FO accessories

1656673

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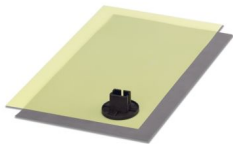
Refilling set for VS-SC-RJ-POF-KONFTOOL-POLISH, consisting of two polishing discs and a polisher

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