

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 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 | 2.50 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

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| | |
|--------------------------|-------------------|
| 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

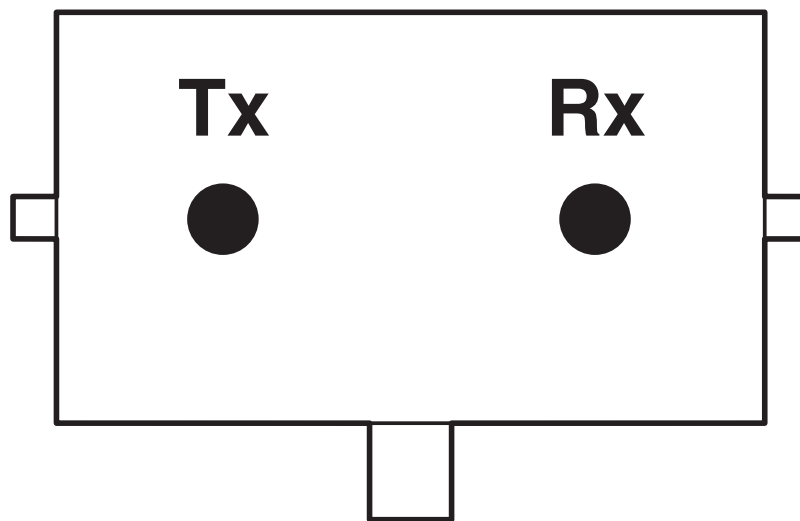
| | |
|------------------|---------|
| cable layer type | Indoors |
|------------------|---------|

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Drawings

Schematic diagram



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Approvals

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UL Listed

Approval ID: E308814-20070105

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19170122 |
| ECLASS-15.0 | 19170122 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001122 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43223300 |
|-------------|----------|

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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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