

# VS-SCDU-GOF-FA-IP20 - FO connectors

1658529

<https://www.phoenixcontact.com/us/products/1658529>

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SC duplex

Fiber optic connector SC duplex, IP20, with fast connection technology, for fiberglass multi-mode 50/125  $\mu\text{m}$ , for individual wire diameter 2.9 mm

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1658529                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | NULL                           |
| Product key                          | ABNIAC                         |
| GTIN                                 | 4046356163101                  |
| Weight per piece (including packing) | 14.8 g                         |
| Weight per piece (excluding packing) | 13.14 g                        |
| Customs tariff number                | 85367000                       |
| Country of origin                    | DE                             |

## Technical data

### Notes

|                    |  |
|--------------------|--|
| Order information: | Only for assembly with tool 1658228 VS-GOF-FA-KONFTOOL-EU and 1658231 VS-GOF-FA-KONFTOOL-US. Not suitable for assembly with tool 1411049 FOC-TOOL-GOF KONF SET9. |
|--------------------|--|

### Product properties

|                      |                                    |
|----------------------|------------------------------------|
| Product type         | Fiber optic connector (cable side) |
| Application          | neutral                            |
| Type                 | SC duplex                          |
| Sensor type          | Ethernet                           |
| Number of positions  | 2                                  |
| Connection profile   | SC duplex as per IEC 61754-4       |
| No. of cable outlets | 1                                  |
| No. of conductors    | 1                                  |
| Cable outlet         | straight                           |

### Electrical properties

|             |                                  |
|-------------|----------------------------------|
| Attenuation | < 0.5 dB (Insertion attenuation) |
|-------------|----------------------------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 21.6 mm |
| Height | 9 mm    |
| Length | 66.8 mm |

### Mechanical characteristics

|                  |         |
|------------------|---------|
| Ferrule diameter | 2.50 mm |
|------------------|---------|

### Material specifications

|  |                   |
|--|-------------------|
| Color                                  | black             |
| Material                               | Plastic           |
| Flammability rating according to UL 94 | V0                |
| Ferrule material                       | Zirconia ceramics |
| Housing material                       | PPO               |
| Contact carrier material               | PEI               |

### Cable/line

|                         |                            |
|-------------------------|----------------------------|
| Cable type              | Fiberglass                 |
| Cable type              | for all common cable types |
| External cable diameter | 2 mm ... 3 mm              |
| Wire diameter           | 2.9 mm                     |

### FO cable

|                  |   |
|------------------|---|
| Number of fibers | 2 |
|------------------|---|

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|            |                       |
|------------|-----------------------|
| Fiber      | GOF                   |
| Fiber type | Multi-mode fiberglass |

## Mechanical properties

### Mechanical data

|                             |        |
|-----------------------------|--------|
| Insertion/withdrawal cycles | ≥ 1000 |
|-----------------------------|--------|

## Characteristics

|             |                                  |
|-------------|----------------------------------|
| Attenuation | < 0.5 dB (Insertion attenuation) |
|-------------|----------------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP20             |
|                                 | IP20             |
| Ambient temperature (operation) | -25 °C ... 70 °C |

## Mounting

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

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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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