

# VS-SCRJ-POF-FA-IP67 - FO connectors



1657009  
<https://www.phoenixcontact.com/us/products/1657009>

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FO connectors, degree of protection: IP67, number of positions: 2, MM, material: Plastic, cable outlet: straight, color: gray

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1657009             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | AB17                |
| Product key                          | ABNNBA              |
| Catalog page                         | Page 354 (C-2-2019) |
| GTIN                                 | 4046356081382       |
| Weight per piece (including packing) | 39.6 g              |
| Weight per piece (excluding packing) | 32.234 g            |
| Customs tariff number                | 85367000            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|                     |                                    |
|---------------------|------------------------------------|
| Product type        | Fiber optic connector (cable side) |
| Application         | neutral                            |
| Type                | SCRJ                               |
| Number of positions | 2                                  |
| Connection profile  | SCRJ                               |
| 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                               |

### Dimensions

|        |         |
|--------|---------|
| Width  | 38.4 mm |
| Height | 22.8 mm |
| Length | 125 mm  |

### Mechanical characteristics

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

### Material specifications

|                                        |              |
|----------------------------------------|--------------|
| Color                                  | gray         |
| Material                               | Plastic      |
| Flammability rating according to UL 94 | V0           |
| Ferrule material                       | Copper alloy |
| Housing material                       | Plastic      |
| Cable seal material                    | NBR          |
| O-ring material                        | FPM          |

### Cable/line

|                         |                 |
|-------------------------|-----------------|
| External cable diameter | 5 mm ... 8.5 mm |
| Wire diameter           | 2.2 mm          |

### FO cable

|            |               |
|------------|---------------|
| Fiber type | POF fiber A4A |
|------------|---------------|

### Mechanical properties

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## Mechanical data

|                             |             |
|-----------------------------|-------------|
| Insertion/withdrawal cycles | $\geq 1000$ |
|-----------------------------|-------------|

## Characteristics

|             |                                       |
|-------------|---------------------------------------|
| Attenuation | $\leq 1.5$ dB (Insertion attenuation) |
|-------------|---------------------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP67             |
| Ambient temperature (operation) | -20 °C ... 70 °C |

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## Approvals

💡 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1657009>



**UL Listed**

Approval ID: E308814-20070105

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 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.) | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1) |
| SCIP                                | b2e1cf66-8c8e-4dad-bf32-d54d711cd2cd                        |

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)