

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Tube base on 100 mm plastic tube with integrated foot



## Product description

This connection element is intended to be part of a modular signal tower and is used to electrically connect the tower. According to your requirements, a signal tower may comprise any combination of up to five signal elements. You may use up to five optical signal elements or up to four optical and one audible signal element. Only use an audible signal element as the top element. A bayonet locking system establishes the mechanical and electrical connection between the elements. Please note that PSD-S 50 signal towers (50 mm diameter) are not mechanically compatible with PSD-S signal towers (70 mm diameter).

## Your advantages

- Connection element for mounting on a mounting surface (floor), junction box, or bracket
- Push-in connection technology
- Degree of protection: IP65, when mounted



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1018760       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DR07          |
| Product key                          | DRL116        |
| GTIN                                 | 4055626504360 |
| Weight per piece (including packing) | 150 g         |
| Weight per piece (excluding packing) | 150 g         |

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85319000 |
| Country of origin     | AT       |

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### Product properties

|                                     |                    |
|-------------------------------------|--------------------|
| Product type                        | Assembly element   |
| Product family                      | PSD-S 50           |
| Scope of supply                     | End cover and seal |
| Number of mountable signal elements | max. 5             |

### Connection data

#### without ferrule

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Connection method                       | Push-in connection                          |
| Conductor cross-section, flexible       | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section, flexible [AWG] | ... 16                                      |
| Stripping length                        | 7 mm                                        |

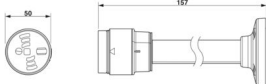
#### With ferrule

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Connection method                       | Push-in connection                           |
| Conductor cross-section, flexible       | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section, flexible [AWG] | ... 16                                       |
| Stripping length                        | 7 mm                                         |

#### solid

|                                |                                             |
|--------------------------------|---------------------------------------------|
| Connection method              | Push-in connection                          |
| Conductor cross-section, rigid | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Stripping length               | 7 mm                                        |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Height              | 157 mm                                                                               |
| Diameter            | 50 mm                                                                                |

### Material specifications

|                 |                  |
|-----------------|------------------|
| Color           | black            |
| Color (Housing) | black (RAL 9005) |
| Material        | PA-GF            |

### Environmental and real-life conditions

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

## Ambient conditions

|                                 |                       |
|---------------------------------|-----------------------|
| Degree of protection            | IP65 (when installed) |
| Ambient temperature (operation) | -30 °C ... 60 °C      |

## Mounting

|                   |                                |
|-------------------|--------------------------------|
| Mounting type     | Screw mounting (Seal enclosed) |
| Mounting position | any                            |

# PSD-S 50 CE BT 100 - Connection element

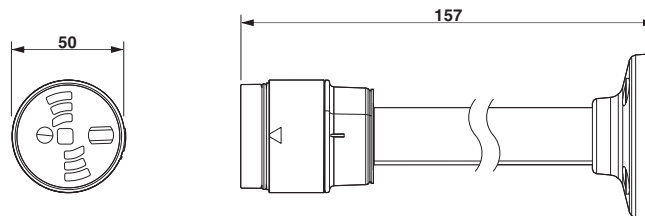
1018760

<https://www.phoenixcontact.com/us/products/1018760>



## Drawings

Dimensional drawing



# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1018760>



**cULus Listed**

Approval ID: E140324

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27371232 |
| ECLASS-15.0 | 27371232 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001152 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 46171600 |
|-------------|----------|

# PSD-S 50 CE BT 100 - Connection element



1018760

<https://www.phoenixcontact.com/us/products/1018760>

## 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 | 2.357 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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