

## Connection element - PSD-S 50 CE - 1018740

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Base for horizontal and third-party tube assembly


### Product Description

A 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

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

### Key Commercial Data

Packing unit	1
GTIN	 4 055626 503851
GTIN	4055626503851
Custom tariff number	85319000

### Technical data

#### Dimensions

Diameter	50 mm
Height	58.7 mm

#### Ambient conditions

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

#### General

# Connection element - PSD-S 50 CE - 1018740

## Technical data

### General

Material	PA-GF
Color	black
Weight	79.9 g
Mounting position	any
Mounting type	Base mounting
Assembly instructions	Seal included
Scope of delivery	End cover and seal

### Connection data

Designation	without ferrule
Connection method	Push-in connection
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	15
Designation	With ferrule
Connection method	Push-in connection
Conductor cross section flexible min.	0.25 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	23
Max. AWG conductor cross section, flexible	15
Designation	solid
Connection method	Push-in connection
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Single-wire/terminal point, solid AWG min.	20
Single-wire/terminal point, solid AWG max.	15

### Approvals / conformities

Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC
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### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC
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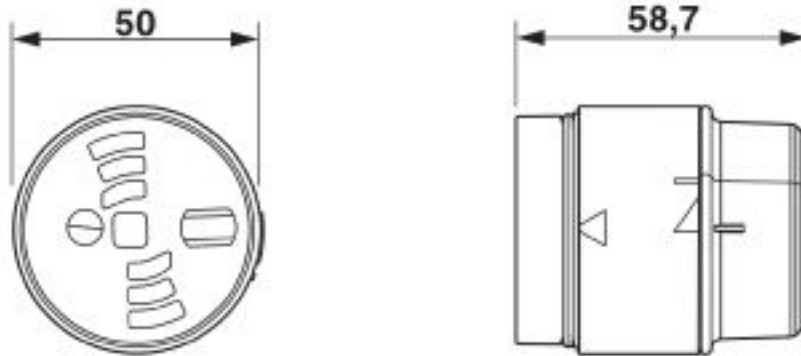
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

# Connection element - PSD-S 50 CE - 1018740

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 10.0.1	27371232
eCl@ss 8.0	27371232
eCl@ss 9.0	27371232

ETIM

ETIM 5.0	EC001152
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## Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

## Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cULus Listed			
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## Accessories

### Accessories

### Assembly element

Mounting brackets - PSD-S 50 ME BR-SM-M - 1018868



Metal bracket for exterior cable entry

Mounting brackets - PSD-S 50 ME BR-M12 M - 1094143



Metal bracket for products with M12 assembly thread

Mounting brackets - PSD-S 50 ME BR-BM/HCR - 1018870



Plastic bracket for vertical assembly of tubes with plastic foot

Mounting material - PSD-S 50 ME OB-BM - 1018871



Junction box for horizontal assembly, M20, incl. assembly screws

## Connection element - PSD-S 50 CE - 1018740

### Accessories

Mounting material - PSD-S 50 ME OB/BR-BM - 1018872



Junction box for vertical assembly, M20

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Mounting material - PSD-S 50 ME OB/MB-BM - 1018873



Junction box for magnetic assembly, M20

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### Mounting material

Screw insert - PSD-S 50 AS SCREW TM - 1094201



Screw set for third-party tube assembly

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Screw insert - PSD-S 50 AS SCREW ME - 1094189



Screw set for junction boxes

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