

# RF-17S1N8A80DUS - Cable connector



1624820

<https://www.phoenixcontact.com/us/products/1624820>

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Cable connector, straight, SPEEDCON, M23, number of positions: 17, contact connection type: Socket, shielded: yes, cable diameter range: 5 mm ... 13.2 mm, number of positions: 17, connection method: Crimp connection, series: RF

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1624820                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAGB                         |
| GTIN                                 | 4046356630399                  |
| Weight per piece (including packing) | 173.7 g                        |
| Weight per piece (excluding packing) | 95 g                           |
| Country of origin                    | DE                             |

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## Technical data

### Notes

|                    |                                        |
|--------------------|----------------------------------------|
| Order information: | Order crimp contacts Ø 1 mm separately |
|--------------------|----------------------------------------|

### Product properties

|                     |                                 |
|---------------------|---------------------------------|
| Product type        | Circular connector (cable-side) |
| Series              | RF                              |
| Application         | Feedback, signal                |
|                     | Signal                          |
| Number of positions | 17                              |
| Connection profile  | 17                              |
| Shielded            | yes                             |
| Coding              | N                               |
| Thread type         | M23                             |

### Material specifications

|                  |       |
|------------------|-------|
| Seal material    | FPM   |
| Housing material | Metal |

### Connection data

|                      |                  |
|----------------------|------------------|
| Conductor connection |                  |
| Connection method    | Crimp connection |

### Electrical properties

|                                |         |
|--------------------------------|---------|
| Contact                        |         |
| Contact diameter               | 1 mm    |
| Nominal voltage U <sub>N</sub> | 48 V AC |
|                                | 74 V DC |
| Overvoltage category           | III     |
| Degree of pollution            | 3       |
| Rated surge voltage            | 1.5 kV  |

### Connector

|                       |          |
|-----------------------|----------|
| Type                  | straight |
| Direction of rotation | Standard |

### Cable/line

|                         |                  |
|-------------------------|------------------|
| External cable diameter | 5 mm ... 13.2 mm |
|-------------------------|------------------|

### Environmental and real-life conditions

|                      |      |
|----------------------|------|
| Ambient conditions   |      |
| Degree of protection | IP67 |

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|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -20 °C ... 125 °C |
| Altitude                        | 2000 m            |

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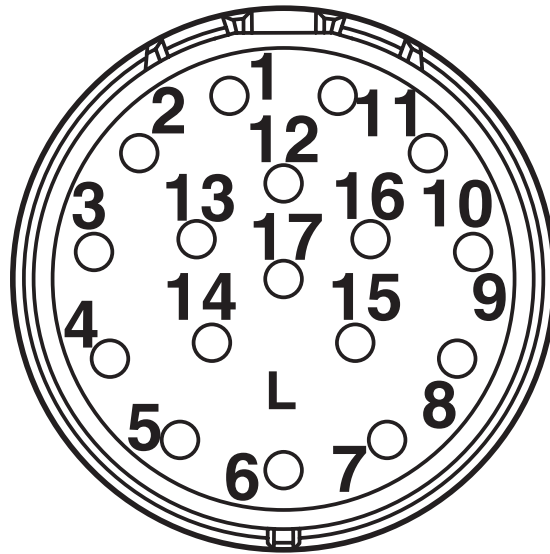


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## Drawings

Schematic diagram



Contact chamber numbering (view of plug-in side), standard socket

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002635 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 6(c)                                                                                                                                                                                                                              |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | Lead(CAS: 7439-92-1)                                                                                                                                                                                                              |

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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)