

# RF-12S2N8A9V02 - Coupler connector



1613976

<https://www.phoenixcontact.com/us/products/1613976>

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The figure shows the product version with standard contact chamber numbering

Coupler connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, shielded: yes, cable diameter range: 6 mm ... 10 mm, number of positions: 12, connection method: Crimp connection, series: RF

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1613976                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAGW                         |
| GTIN                                 | 4046356443241                  |
| Weight per piece (including packing) | 109.58 g                       |
| Weight per piece (excluding packing) | 109.58 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                |
| Number of positions | 12                              |
| Connection profile  | 12                              |
| Shielded            | yes                             |
| Coding              | N                               |
| Thread type         | M23                             |

### Material specifications

|                  |                         |
|------------------|-------------------------|
| Seal material    | FPM                     |
| Housing material | Metal                   |
| Housing material | High-grade steel 1.4305 |

### Connection data

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

### Electrical properties

|                       |        |
|-----------------------|--------|
| Contact               |        |
| Contact diameter      | 1 mm   |
| Nominal current $I_N$ | 8 A    |
| Nominal voltage $U_N$ | 150 V  |
| Overvoltage category  | III    |
| Degree of pollution   | 3      |
| Rated surge voltage   | 2.5 kV |

### Connector

|                       |                   |
|-----------------------|-------------------|
| Type                  | straight          |
| Direction of rotation | Counter direction |

### Cable/line

|                         |                |
|-------------------------|----------------|
| External cable diameter | 6 mm ... 10 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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## Drawings

Dimensional drawing



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## Environmental product compliance

### 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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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