

RF-12P2N8A9V03 - Coupler connector



1613965

<https://www.phoenixcontact.com/us/products/1613965>

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Coupler connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, shielded: yes, cable diameter range: 9 mm ... 13.2 mm, number of positions: 12, connection method: Crimp connection, series: RF

The figure shows the product version with standard contact chamber numbering

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1613965 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAGW |
| GTIN | 4046356442596 |
| Weight per piece (including packing) | 108.22 g |
| Weight per piece (excluding packing) | 108.22 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 | 9 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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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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