

RF-12P2N8A80DU - Cable connector



1607252

<https://www.phoenixcontact.com/us/products/1607252>

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The figure shows the product version with standard contact chamber numbering

Cable connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 13.2 mm, number of positions: 12, connection method: Crimp connection, series: RF. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1069317

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1607252 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAGA |
| GTIN | 4046356174770 |
| Weight per piece (including packing) | 100.47 g |
| Weight per piece (excluding packing) | 93.28 g |
| Customs tariff number | 85366990 |
| 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

| | |
|--------------------------|--------------|
| Material Housing | GD-Zn |
| Material Rotating parts | CuZn |
| Material Housing surface | Ni |
| Material Insulating body | PA 6.6 |
| Material Seal | FPM (O-ring) |
| Seal material | FPM |

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 | 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 | Counter direction |

| | |
|--------------|-----|
| Connection 1 | |
| Head design | Pin |

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| | |
|-------------------|----------|
| Head cable outlet | straight |
| Head thread type | M23 |

Cable/line

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

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-------------------|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Altitude | 2000 m |

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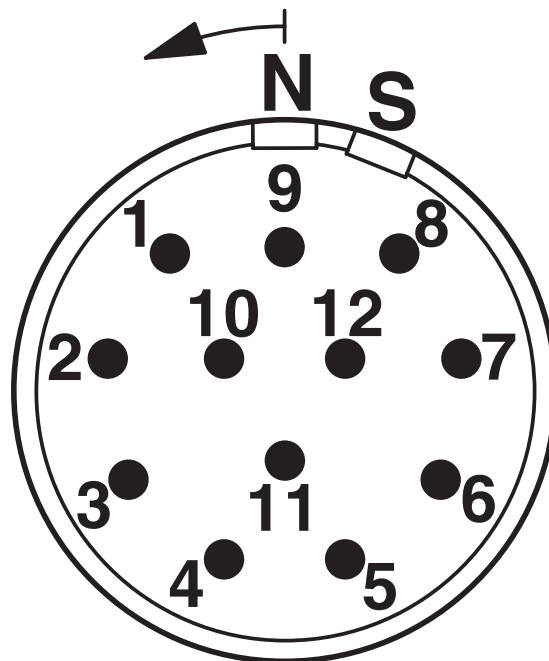
Drawings

Dimensional drawing



Dimensional drawing, RF-12(17)...N8A80DU

Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607252>

|  cUL Recognized Approval ID: E153698-20090723 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 5 A | 20 | - |

|  UL Recognized Approval ID: E153698-20090723 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
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| | 48 V | 5 A | 20 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440116 |
| ECLASS-15.0 | 27440116 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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) |
| SCIP | 6a56b404-747c-4109-a6e0-44327e9b8cbc |

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