

RF-17S1N8A90DU - Coupler connector



1607343

<https://www.phoenixcontact.com/us/products/1607343>

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The figure shows the 12-pos.
product version

Coupler connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Socket, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 13.2 mm, number of positions: 17, connection method: Crimp connection, series: RF, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %), 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.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1607343 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB31 |
| Product key | ABRAGG |
| GTIN | 4046356174695 |
| Weight per piece (including packing) | 97.435 g |
| Weight per piece (excluding packing) | 93.403 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 Signal |
| Number of positions | 17 |
| Connection profile | 17 |
| 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 | Standard |

Cable/line

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| | |
|-------------------------|------------------|
| 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 |

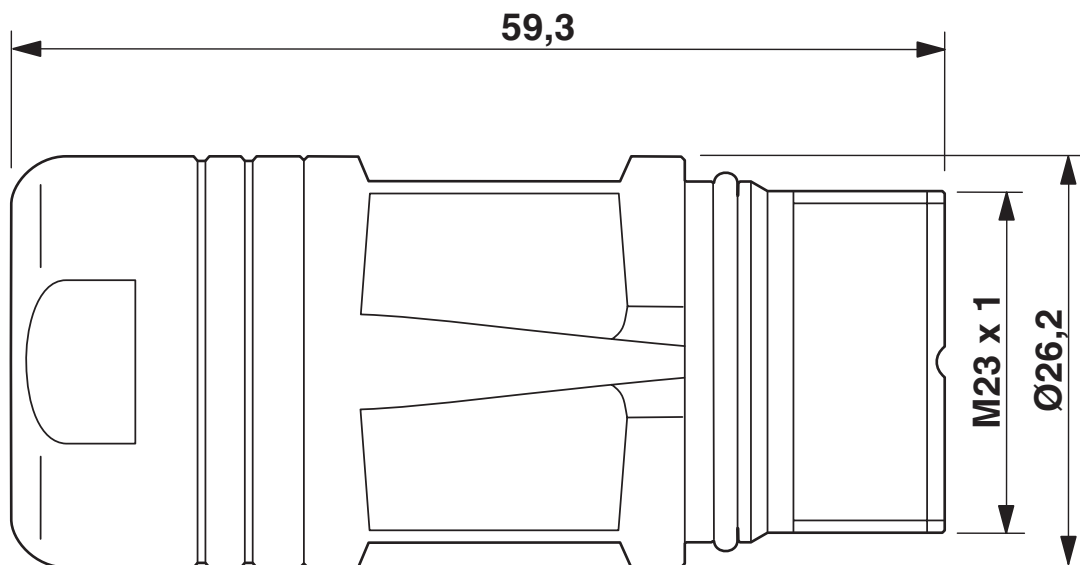
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Drawings

Dimensional drawing



RF-12(17)...N8A90DU

Dimensional drawing



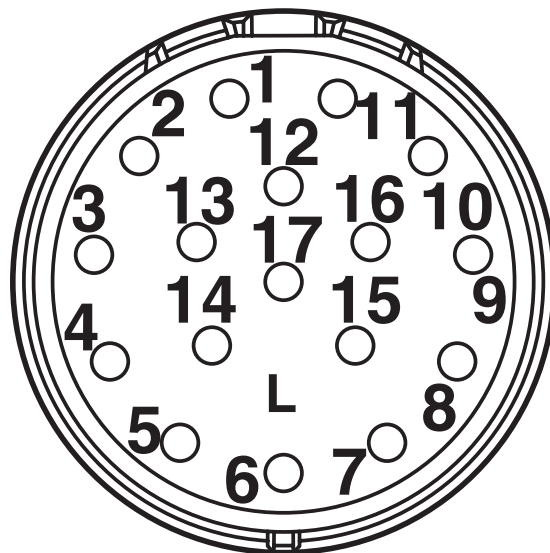
Dimensional drawing

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Schematic diagram



Connector pin assignment

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607343>

|  cUL Recognized Approval ID: E153698-20090723 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 48 V | 1 A | 26 | - |

|  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 | 1 A | 26 | - |

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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, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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