

## Coupler connector - RF-12S1N8A90DU - 1607278


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Coupler connector, straight, Screw locking, M23, number of positions: 12, type of contact: Socket, Crimp connection, shielded: yes, cable diameter range: 5 mm ... 13.2 mm

RoHS

### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 20 pc   |
| GTIN         | <br>4 046356 174688 |
| GTIN         | 4046356174688   |

### Technical data

#### General

|  |   |
|--|---|
| Note   | Order information: Order crimp contacts Ø 1 mm separately |
| Type of locking                                    | Screw locking   |
| Direction of rotation of contact chamber numbering | Standard  |
| Coding   | N   |
| Contact connection method                          | Crimp connection  |
| Type of contacts                                   | Socket  |
| Number of positions                                | 12  |
| Contact diameter of power contacts                 | 1 mm  |
| Nominal current per power contact at 25°C          | 8 A   |
| Conductor entry                                    | 5 mm ... 13.2 mm  |
| Pg housing screw connection                        | none  |

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -40 °C ... 125 °C |
| Degree of protection | IP67              |

#### Material

|                    |  |
|--------------------|--|
| Housing material   | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material | PA 6.6   |

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## Technical data

### Material

|                            |     |
|----------------------------|-----|
| Gasket and O-ring material | FPM |
|----------------------------|-----|

### Specifications according to DIN EN 61984:2001

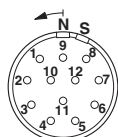
|   |        |
|---|--------|
| Installation height max.                      | 2000 m |
| Nominal / operating voltage of power contacts | 150 V  |
| Rated surge voltage of power contacts         | 2.5 kV |
| Overvoltage category of power contacts        | III    |
| Degree of pollution of power contacts         | 3      |
| Overvoltage category of signal contacts       | III    |
| Degree of pollution of signal contacts        | 3      |

### Environmental Product Compliance

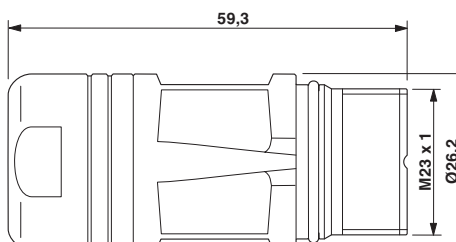
|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Schematic diagram

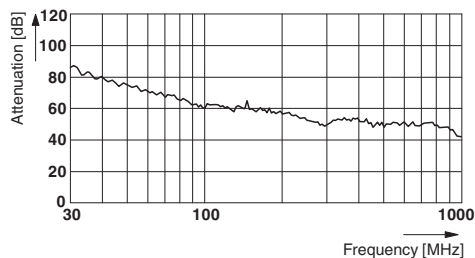


Dimensional drawing

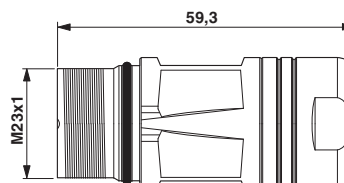


RF-12(17)...N8A90DU

Diagram



Dimensional drawing



## Approvals

### Approvals

# Coupler connector - RF-12S1N8A90DU - 1607278

## Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

### Approval details

|                            |  |   |               |
|----------------------------|--|---|---------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 153698 |
| Nominal voltage UN         |  | 125 V   |               |
| Nominal current IN         |  | 5 A   |               |
| mm <sup>2</sup> /AWG/kcmil |  | 20  |               |

|                            |  |   |               |
|----------------------------|--|---|---------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 153698 |
| Nominal voltage UN         |  | 125 V   |               |
| Nominal current IN         |  | 5 A   |               |
| mm <sup>2</sup> /AWG/kcmil |  | 20  |               |

|     |  |         |
|-----|--|---------|
| EAC |  | B.01742 |
|-----|--|---------|

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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