

## Device connector, front mounting - RF-12P2N8AWQ00 - 1607818

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Device connector, front mounting, straight, Screw locking, M23, number of positions: 12, type of contact: Pin, Crimp connection, Axial O-ring, 4x Ø2,7, shielded: yes

The figure shows the product version with standard contact chamber numbering

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 20 pc                                                                                                   |
| GTIN         | <br>4 046356 268257 |
| GTIN         | 4046356268257                                                                                           |

### 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 | Counter direction                                         |
| Coding                                             | N                                                         |
| Contact connection method                          | Crimp connection                                          |
| Type of contacts                                   | Pin                                                       |
| Number of positions                                | 12                                                        |
| Contact diameter of power contacts                 | 1 mm                                                      |
| Nominal current per power contact at 25°C          | 8 A                                                       |
| Pg housing screw connection                        | none                                                      |
| Mounting type                                      | 4x Ø2,7                                                   |

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -20 °C ... 125 °C |
| Degree of protection | IP67              |

#### Material

Device connector, front mounting - RF-12P2N8AWQ00 - 1607818

Technical data

Material

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

Specifications according to DIN EN 61984:2001

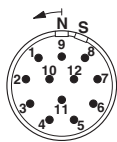
|                                               |        |
|-----------------------------------------------|--------|
| Installation height max.                      | 2000 m |
| Nominal / operating voltage of power contacts | 150 V  |
| Rated surge voltage of power contacts         | 2.5 kV |
| Overvoltage 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

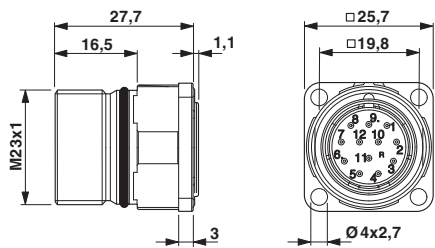
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50           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

Drawings

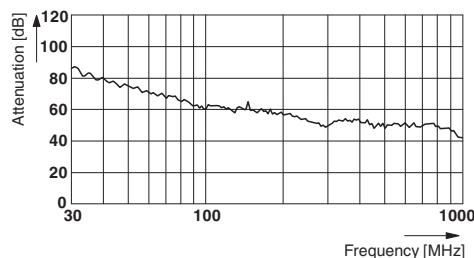
Schematic diagram



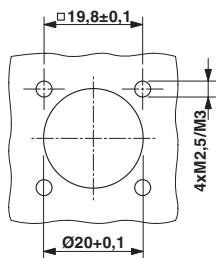
Dimensional drawing



Diagram



Dimensional drawing



Approvals

Approvals

## Device connector, front mounting - RF-12P2N8AWQ00 - 1607818

### 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                                                                                                                                                   |               |
| mm²/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                                                                                                                                                   |               |
| mm²/AWG/kcmil      |                                                                                     | 20                                                                                                                                                    |               |

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

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

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