

# Device connector, front mounting - SF-5EP1N8AA600 - 1620661

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Device connector, front mounting, angled rotatable, Screw locking, M23, Number of positions: 5+PE, Type of contact: Pin, Crimp connection, Axial O-ring, 4x Ø 3.2, shielded: yes, Flange dimensions: 28 mm x 28 mm, Compatible with mating connectors with SPEEDCON or M23 standard knurled nuts

The figure shows the 8-pos. (4+3+PE) product version

## Why buy this product

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly



## Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 1 STK         |
| GTIN         |               |
| GTIN         | 4046356840972 |

## Technical data

### General

|  |   |
|--|---|
| Note                                       | Order information: Order crimp contacts 6 x Ø 2 mm separately |
| Type of locking                            | Screw locking   |
| Coding                                     | N   |
| Contact connection method                  | Crimp connection  |
| Type of contacts                           | Pin   |
| Number of positions                        | 6   |
| Contact diameter of power contacts         | 2 mm  |
| Nominal current per power contact at 25°C  | 30 A  |
| Contact diameter of signal contacts        | 2 mm  |
| Nominal current per signal contact at 25°C | 30 A  |
| Pg housing screw connection                | none  |
| Mounting type                              | 4x Ø 3.2  |

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## Technical data

### Ambient conditions

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

### Specifications according to DIN EN 61984:2001

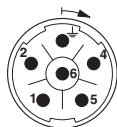
|  |        |
|--|--------|
| Installation height max.                       | 3000 m |
| Nominal / operating voltage of power contacts  | 630 V  |
| Rated surge voltage of power contacts          | 6 kV   |
| Overvoltage category of power contacts         | III    |
| Degree of pollution of power contacts          | 3      |
| Nominal / operating voltage of signal contacts | 630 V  |
| Rated surge voltage of signal contacts         | 6 kV   |
| 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" |

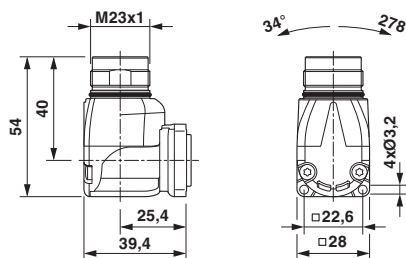
## Drawings

Schematic diagram



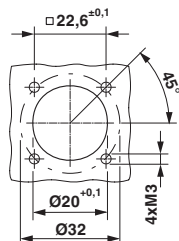
Connector pin assignment

Dimensional drawing



Dimensional drawing

Dimensional drawing



Drill holes

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## Approvals


### 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> E153698-20041116 |
|                                |   |  |
| mm <sup>2</sup> /AWG/kcmil     |   | 4.0  |
| Nominal current I <sub>N</sub> |   | 27 A   |
| Nominal voltage U <sub>N</sub> |   | 600 V  |

|                                |   |  |
|--------------------------------|---|--|
| 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> E153698-20041116 |
|                                |   |  |
| mm <sup>2</sup> /AWG/kcmil     |   | 4.0  |
| Nominal current I <sub>N</sub> |   | 18 A   |
| Nominal voltage U <sub>N</sub> |   | 600 V  |

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

|                  |   |   |
|------------------|---|---|
| cULus 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> |
|------------------|---|---|

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