



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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

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


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

### 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	 4 046356 840972
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

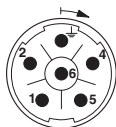
Installation height max.	3000 m
Nominal / operating voltage of power contacts	630 V
Rated surge voltage of power contacts	6 kV
Overvoltage category of power contacts	III
Degree of pollution of power contacts	3
Nominal / operating voltage of signal contacts	630 V
Rated surge voltage of signal contacts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

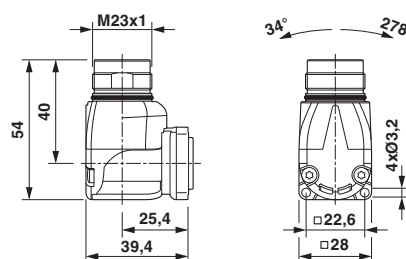
## Drawings

Schematic diagram



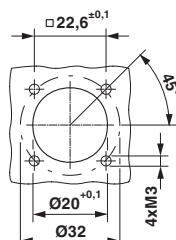
Connector pin assignment

Dimensional drawing



Dimensional drawing

Dimensional drawing



Drill holes

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

### Approvals

#### Approvals

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#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized


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#### Ex Approvals

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### 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
mm²/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
mm²/AWG/kcmil	4.0	
Nominal current I <sub>N</sub>	18 A	
Nominal voltage U <sub>N</sub>	600 V	

EAC		B.01742
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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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