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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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Cable connector - ST-8EP1N8A8003 - 1613600

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Cable connector, straight, Screw locking, M17, Number of positions: 5+3+PE, Type of contact: Pin, Crimp connection, shielded: yes, Cable diameter: 5 mm...8 mm

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

### Why buy this product

- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment
- ✓ Crimping connection: vibration- and temperature-resistant assembly
- ✓ Flexible use: reliably connect various cable diameters
- ✓ Molded designs with pre-assembled cables on one or both sides



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 046356 442084 |
| GTIN         | 4046356442084                                                                                           |

### Technical data

#### General

|                                                    |                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------|
| Note                                               | Order information: Order crimp contacts 5 x 0.6 mm, 4 x 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                                   | Pin                                                                       |
| Number of positions                                | 9                                                                         |
| Contact diameter of power contacts                 | 1 mm                                                                      |
| Nominal current per power contact at 25°C          | 14 A                                                                      |
| Contact diameter of signal contacts                | 0.6 mm                                                                    |

# Cable connector - ST-8EP1N8A8003 - 1613600

## Technical data

### General

|                                            |               |
|--------------------------------------------|---------------|
| Nominal current per signal contact at 25°C | 3.6 A         |
| Conductor entry                            | 5 mm ... 8 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) |
|------------------|----------------------------------------------------------------------|

### 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 | 60 V   |
| Rated surge voltage of signal contacts         | 1.5 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" |

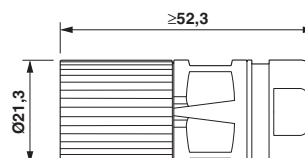
## Drawings

Schematic diagram



Connector pin assignment

Dimensional drawing



## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

## Cable connector - ST-8EP1N8A8003 - 1613600

### Approvals

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 335019 |
|                                |                                                                                   |                                                                                                                                                       |               |
| mm²/AWG/kcmil                  |                                                                                   | 0.5                                                                                                                                                   |               |
| Nominal current I <sub>N</sub> |                                                                                   | 3.5 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> | FILE E 335019 |
|                                |                                                                                    |                                                                                                                                                       |               |
| mm²/AWG/kcmil                  |                                                                                    | 0.5                                                                                                                                                   |               |
| Nominal current I <sub>N</sub> |                                                                                    | 3.5 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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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>