



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!



## 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 - SB-8EPCA8A8L34S - 1623334

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Cable connector, straight long, shielded: yes, SPEEDCON locking, M40, No. of pos.: 4+4+4+PE / 3+N+PE, type of contact: Pin, Crimp connection, cable diameter range: 20.5 mm ... 26.5 mm

### Why buy this product

- ✓ Transmission of signals, data, and power in just a single connector
- ✓ CAT5 data interface for up to 100 Mbps
- ✓ Reduced connection time with SPEEDCON fast locking system
- ✓ Mechanical coding reliably prevents incorrect connections
- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 STK                                                                                                   |
| GTIN         | <br>4 055626 194189 |
| GTIN         | 4055626194189                                                                                           |

### Technical data

#### Temperature range

|                                 |                   |
|---------------------------------|-------------------|
| Ambient temperature (operation) | -40 °C ... 130 °C |
|---------------------------------|-------------------|

#### Data of the insulating body

|                                                |                   |
|------------------------------------------------|-------------------|
| Data rate                                      | 100 Mbps          |
| Coding                                         | CAT5, coding 1    |
| Contact connection method                      | Crimp connection  |
| Type of contacts                               | Pin               |
| Application                                    | Hybrid            |
| Number of positions                            | 13                |
| Contact diameter of power contacts             | 3.6 mm            |
| Litz wire cross section of power contacts min. | 1 mm <sup>2</sup> |

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### Technical data

#### Data of the insulating body

|                                                 |                      |
|-------------------------------------------------|----------------------|
| Litz wire cross section of power contacts max.  | 16 mm <sup>2</sup>   |
| Nominal current per power contact at 25°C       | 70 A                 |
| Nominal voltage, power contact                  | 630 V AC             |
| Rated surge voltage                             | 6 kV                 |
| Contact diameter of signal contacts             | 1 mm                 |
| Litz wire cross section of signal contacts min. | 0.06 mm <sup>2</sup> |
| Litz wire cross section of signal contacts max. | 1.5 mm <sup>2</sup>  |
| Nominal current per signal contact at 25°C      | 8 A                  |
| Nominal voltage, signal contact                 | 500 V                |
| Rated surge voltage                             | 1.5 kV               |
| Contact diameter, data contacts                 | 0.8 mm               |
| Litz wire cross section, data contacts, min.    | 0.08 mm <sup>2</sup> |
| Litz wire cross section, data contacts, max.    | 0.5 mm <sup>2</sup>  |
| Nominal current per data contact at 25°C        | 3.6 A                |
| Nominal voltage of data contact                 | 50 V                 |
| Rated surge voltage                             | 1.5 kV               |
| Overvoltage category                            | III                  |
| Degree of pollution                             | 3                    |

#### Housing data

|                                        |                                                                      |
|----------------------------------------|----------------------------------------------------------------------|
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Type of locking                        | SPEEDCON locking                                                     |
| Degree of protection (when plugged in) | IP68/IP69K                                                           |
| Thread type                            | M40                                                                  |

#### Cable seal data

|                  |                     |
|------------------|---------------------|
| Cable diameter   | 20.5 mm ... 26.5 mm |
| Sealing material | FKM                 |

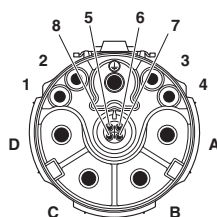
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| 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

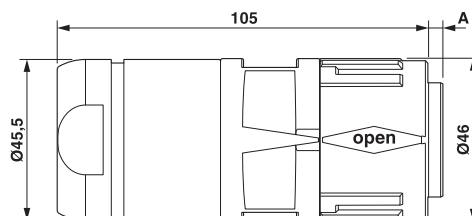
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Schematic diagram



Pin assignment of pin CAT5, coding 1

Dimensional drawing



Pin version: dimension A = 4.05 mm, socket version: dimension A = 0.4 mm

### Approvals

#### Approvals

Approvals

cULus Recognized

Ex Approvals

#### Approval details

|                                                                                                                                                                                                                                                                             |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 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> 20170915-E468743 |       |
| Nominal voltage UN                                                                                                                                                                                                                                                          | 600 V |
| Nominal current IN                                                                                                                                                                                                                                                          | 42 A  |
| mm²/AWG/kcmil                                                                                                                                                                                                                                                               | 6     |

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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>