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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!



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## Coupler connector - SB-8EPSA8A9L33S - 1623360

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Coupling connector, straight long, shielded: yes, SPEEDCON, M40, No. of pos.: 8+4+PE, type of contact: Pin, Crimp connection, cable diameter range: 14 mm ... 20.5 mm

### Why buy this product

- ✓ All housing can be fitted with pin or socket contacts
- ✓ A total of eight contacts are available for signal transmission
- ✓ 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 194745 |
| GTIN         | 4055626194745                                                                                           |

### Technical data

#### Temperature range

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

#### Data of the insulating body

|                                                |                    |
|------------------------------------------------|--------------------|
| Coding                                         | Signal, 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>  |
| Litz wire cross section of power contacts max. | 16 mm <sup>2</sup> |
| Nominal current per power contact at 25°C      | 70 A               |

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## Technical data

### Data of the insulating body

|                                                 |                      |
|-------------------------------------------------|----------------------|
| 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                 | 1 mm                 |
| Litz wire cross section, data contacts, min.    | 0.06 mm <sup>2</sup> |
| Litz wire cross section, data contacts, max.    | 1.5 mm <sup>2</sup>  |
| Nominal current per data contact at 25°C        | 8 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                                                             |
| Degree of protection (when plugged in) | IP68/IP69K                                                           |
| Thread type                            | M40                                                                  |

### Cable seal data

|                  |                   |
|------------------|-------------------|
| Cable diameter   | 14 mm ... 20.5 mm |
| Sealing material | FKM               |

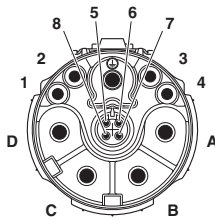
### Environmental Product Compliance

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

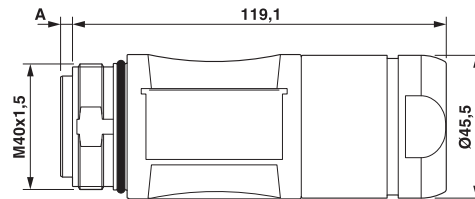
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Schematic diagram



Pin assignment of pin signal, coding 1

Dimensional drawing



Pin version: dimension A = 3.8 mm, socket version: dimension A = 0.15 mm

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