



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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## Coupler connector - SH-8EPS48A9LDLS - 1621554

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Coupling connector, straight long, shielded: yes, Screw locking, M23, Number of positions: 8+4+PE / 3+N+PE, Type of contact: Pin, Crimp connection, Cable diameter: 7.5 mm ... 18 mm


The figure shows the product version with CAT5 interface

### Why buy this product

- ✓ All housing can be fitted with pin or socket contacts
- ✓ A total of eight contacts are available for signal transmission
- ✓ 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 046356 937023 |
| GTIN         | 4046356937023   |

### Technical data

#### Temperature range

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

#### Data of the insulating body

|  |   |
|--|---|
| Note                                   | Order information: Crimp contacts, 8 x Ø 1 mm, 5 x Ø 2 mm, order separately |
| Coding                                 | N   |
| Insulator material                     | Polyamide (PA 6.6)  |
| Insertion/withdrawal cycles mechanical | 100   |
| Contact connection method              | Crimp connection  |
| Type of contacts                       | Pin   |
| Number of positions                    | 13  |
| Contact diameter of power contacts     | 2 mm  |

## Coupler connector - SH-8EPS48A9LDLS - 1621554

### Technical data

#### Data of the insulating body

|   |                      |
|---|----------------------|
| Litz wire cross section of power contacts min.  | 0.25 mm <sup>2</sup> |
| Litz wire cross section of power contacts max.  | 4 mm <sup>2</sup>    |
| Nominal current per power contact at 25°C       | 30 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 mm <sup>2</sup>    |
| Nominal current per signal contact at 25°C      | 8 A                  |
| Nominal voltage, signal contact                 | 50 V                 |
| Rated surge voltage                             | 1.5 kV               |
| Overvoltage category                            | III                  |
| Degree of pollution                             | 3                    |

#### Housing data

|  |  |
|--|--|
| Note                                   | Notes on operation Full occupation with 5 x 4 mm <sup>2</sup> for cable and coupler connectors not possible. |
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)   |
| Type of locking                        | Screw locking  |
| Degree of protection (when plugged in) | IP67   |
|  | IP68   |
| Thread type                            | M23  |

#### Cable seal data

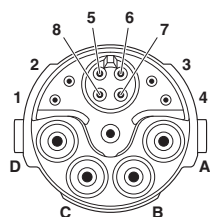
|                     |        |
|---------------------|--------|
| Min. cable diameter | 7.5 mm |
| Max. cable diameter | 18 mm  |

#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

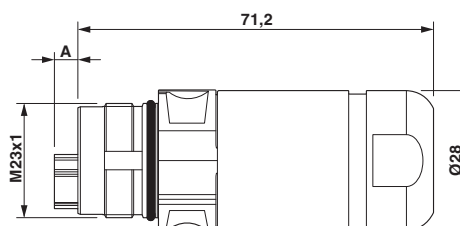
### Drawings

Schematic diagram



Pin assignment of pin, signal

Dimensional drawing



Pin version: dimension A = 4.7 mm, socket version: dimension A = 0 mm

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### Approvals

#### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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#### Approval details

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

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