

# Coupler connector - SH-8EPC58A9LDLS - 1621549

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Coupling connector, straight long, shielded: yes, for standard and SPEEDCON interlock, M23, No. of pos.: 4+4+4+PE / 3+N+PE, type of contact: Pin, Crimp connection, cable diameter range: 7.5 mm ... 18 mm

## Your advantages

- ✓ Transmission of signals, data, and power in just a single connector
- ✓ CAT5 data interface for up to 100 Mbps
- ✓ Safe use in the field, thanks to high degree of protection
- ✓ Consistent EMC protection for reliable connection solutions in the industrial environment

## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 936972 |
| GTIN         | 4046356936972   |

## Technical data

### Temperature range

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

### Data of the insulating body

|  |  |
|--|--|
| Note                                   | Order information: Crimp contacts, 4x Ø 0.8 mm, 4x Ø 1 mm, 5x Ø 2 mm, order separately |
| Protection against electric shock      | IEC 61984 and VDE 0623   |
| Data rate                              | 100 Mbps   |
| Coding                                 | N  |
| Insulator material                     | PA 6.6   |
| Insertion/withdrawal cycles mechanical | 100  |
| Contact connection method              | Crimp connection   |
| Type of contacts                       | Pin  |
| Application                            | Hybrid   |

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## Technical data

### Data of the insulating body

|   |                      |
|---|----------------------|
| Number of positions                             | 13                   |
| Contact diameter of power contacts              | 2 mm                 |
| 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                 |
| Rated surge voltage                             | 6 kV                 |
| Rated voltage (II/3) power contact              | 850 V DC             |
| Rated voltage (III/3) power contact             | 630 V AC             |
| 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                  |
| Rated surge voltage                             | 1.5 kV               |
| Rated voltage (III/3) signal contact            | 50 V                 |
| 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               |
| Rated voltage (III/3) data contact              | 50 V                 |

### Housing data

|  |  |
|--|--|
| Note                                   | The suitability for assembly must be checked when fully assigned with maximum wire cross sections. |
| Housing material                       | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)                               |
| Type of locking                        | for standard and SPEEDCON interlock  |
| Degree of protection (when plugged in) | IP67   |
|  | IP68   |
| Thread type                            | M23  |

### Cable seal data

|                |                  |
|----------------|------------------|
| Cable diameter | 7.5 mm ... 18 mm |
|----------------|------------------|

### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

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## Approvals

Approvals

EAC / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

### Approval details

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

|                            |       |  |
|----------------------------|-------|--|
| 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> E153698-20181206 |
| Nominal voltage UN         | 600 V |  |
| Nominal current IN         | 24 A  |  |
| mm <sup>2</sup> /AWG/kcmil | 12    |  |

|                            |        |  |
|----------------------------|--------|--|
| 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> E153698-20181206 |
| Nominal voltage UN         | 600 V  |  |
| Nominal current IN         | 21.4 A |  |
| mm <sup>2</sup> /AWG/kcmil | 12     |  |

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

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