

K-17-M23 M9/5,0-E01/M23 F8 - Connector in molded plastic on both sides



1619296  
<https://www.phoenixcontact.com/gb/products/1619296>

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Connector in molded plastic on both sides, Straight, plastic molded, Straight, plastic molded, cable length: 5 m, shielded: yes, color of outer sheath: green

Your advantages

- Our standard: robust halogen-free PUR cable
- Simple and safe: 100% electrically tested and assembled ready for use
- Designs with preassembled cables on one or both sides
- High flexibility: customer-specific assemblies and cable lengths can be supplied

Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1619296             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 2 pc                |
| Sales key                            | ABRDFG              |
| Product key                          | ABRDFG              |
| Catalog page                         | Page 217 (C-2-2019) |
| GTIN                                 | 4046356835152       |
| Weight per piece (including packing) | 796.789 g           |
| Weight per piece (excluding packing) | 796.789 g           |
| Customs tariff number                | 85444290            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|              |                        |
|--------------|------------------------|
| Product type | Signal and power cable |
|--------------|------------------------|

### Connector

#### Connector specifications

|      |                          |
|------|--------------------------|
| Type | Straight, plastic molded |
|------|--------------------------|

#### Cable specifications

|                                                           |                                                                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Cable type                                                | SSLC11Y                                                                                                      |
| Shielded                                                  | yes                                                                                                          |
| Cable structure                                           | 3 x 2 x 0.14 mm <sup>2</sup> + 2 x 0.5 mm <sup>2</sup> + 4 x 0.14 mm <sup>2</sup> + 4 x 0.22 mm <sup>2</sup> |
| Cable structure (AWG)                                     | 26 AWG/3pr + 20 AWG/2c + 26 AWG/4c + 24 AWG/4c                                                               |
| External cable diameter                                   | 9.40 mm                                                                                                      |
| Outer sheath, material                                    | TPU                                                                                                          |
| Material wire insulation                                  | TPU                                                                                                          |
| External sheath, color                                    | green                                                                                                        |
| Nominal voltage, cable                                    | 30 V                                                                                                         |
| Test voltage                                              | 0.5 kV                                                                                                       |
| Rated current                                             | 9 A                                                                                                          |
| Smallest bending radius, fixed installation               | 38 mm                                                                                                        |
| Smallest bending radius, movable installation             | 94 mm                                                                                                        |
| Ambient temperature (operation) for fixed installation    | -30 °C ... 80 °C                                                                                             |
| Ambient temperature (operation) for flexible installation | -30 °C ... 60 °C                                                                                             |

#### Connector specifications (second page)

|      |                          |
|------|--------------------------|
| Type | Straight, plastic molded |
|------|--------------------------|

### Electrical properties

|                                |     |
|--------------------------------|-----|
| Nominal current I <sub>N</sub> | 9 A |
|--------------------------------|-----|

### Cable/line

|              |     |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

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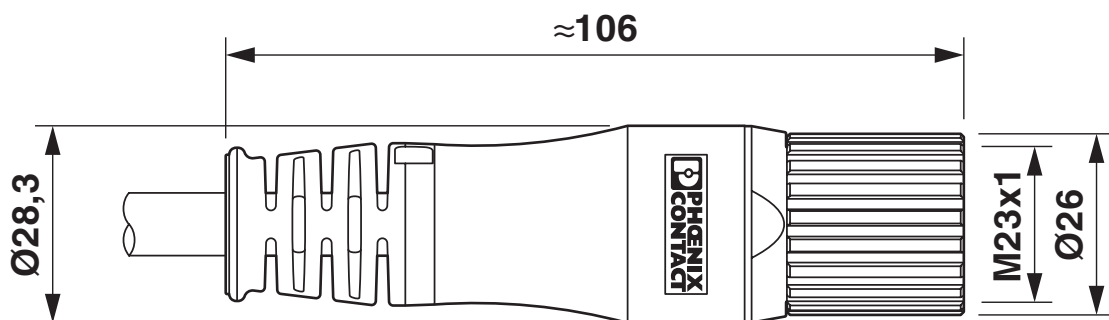


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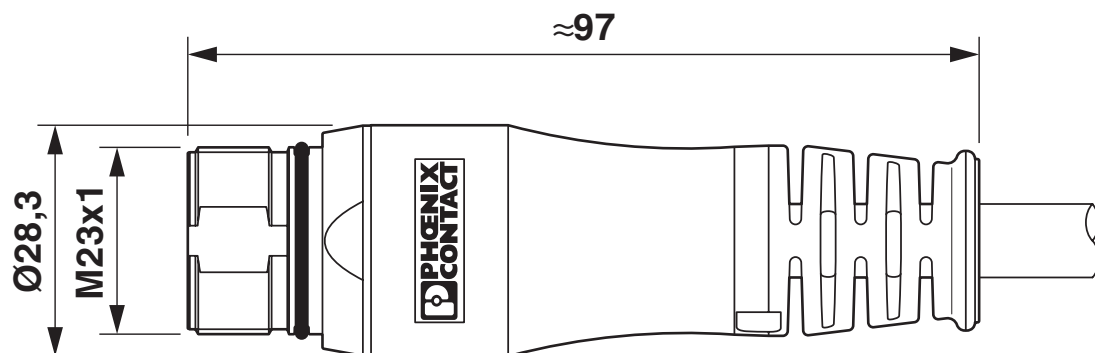
## Drawings

Dimensional drawing



On the female side

Dimensional drawing



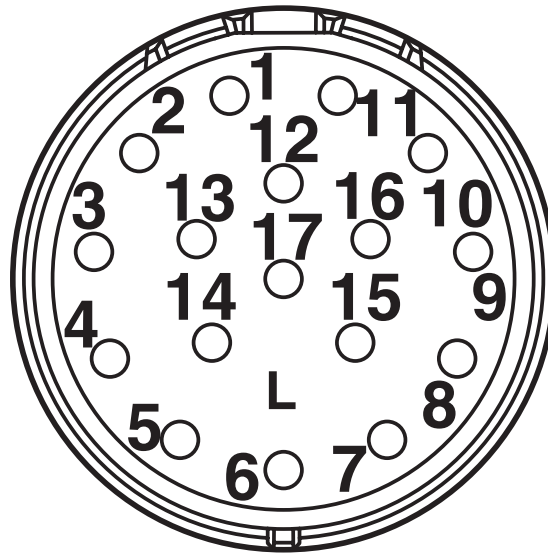
Pin side

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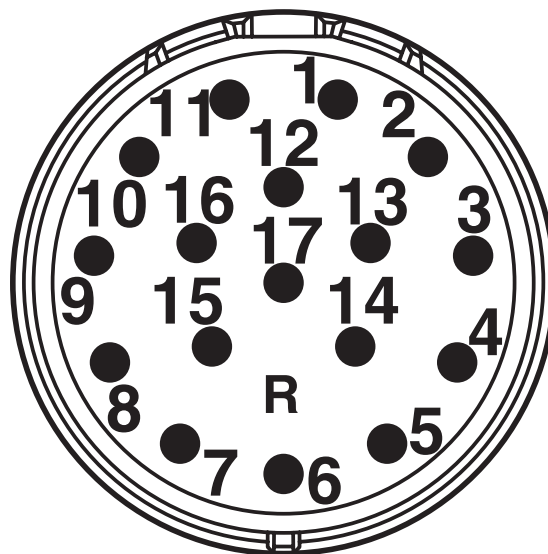
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Schematic diagram



Socket pin assignment

Schematic diagram



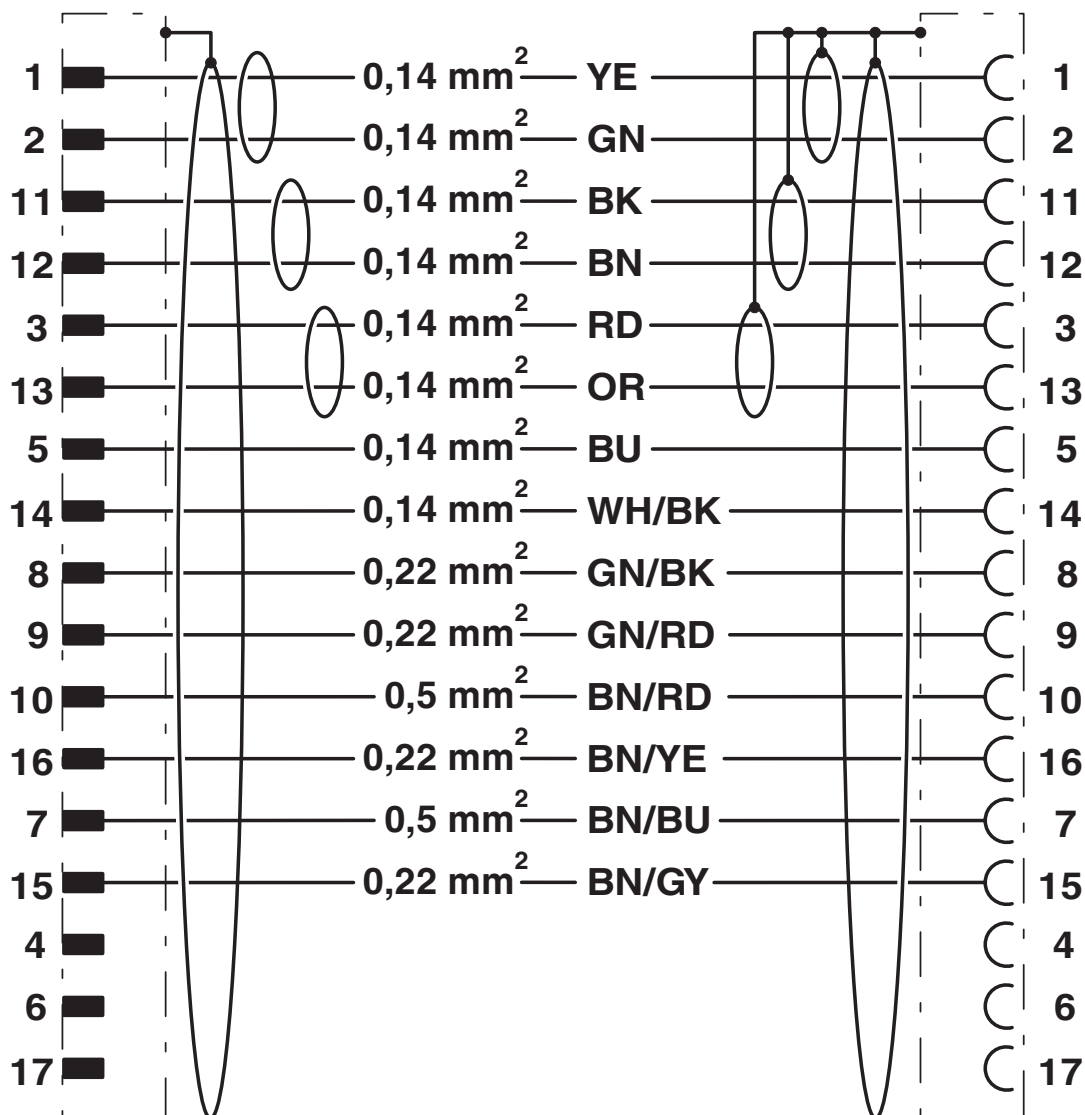
Pin assignment of pin

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Circuit diagram



Contact assignment of M23 plugs/sockets

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1619296>



### EAC

Approval ID: 19060508



### UL Listed

Approval ID: E335019-20140707

|        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--------|-----------------------|-----------------------|-------------------|-----------------------------|
| Power  | 30 V                  | 5 A                   | -                 | -                           |
| Signal | 30 V                  | 2 A                   | -                 | -                           |
| Data   | 30 V                  | 1 A                   | -                 | -                           |



### cUL Listed

Approval ID: E335019-20140707

|        | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|--------|-----------------------|-----------------------|-------------------|-----------------------------|
| Power  | 30 V                  | 5 A                   | -                 | -                           |
| Signal | 30 V                  | 2 A                   | -                 | -                           |
| Data   | 30 V                  | 1 A                   | -                 | -                           |

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Classifications

|             |          |
|-------------|----------|
| ECLASS      |          |
| ECLASS-13.0 | 27060106 |
| ETIM        |          |
| ETIM 9.0    | EC003250 |
| UNSPSC      |          |
| UNSPSC 21.0 | 26121600 |

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## Environmental product compliance

### EU RoHS

|                                         |            |
|-----------------------------------------|------------|
| Fulfills EU RoHS substance requirements | Yes        |
| Exemption                               | 6(b), 6(c) |

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 1a1742a6-809e-4ae1-ac3d-123621ed2b23 |

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