

# Product data sheet

## Miniature connectors

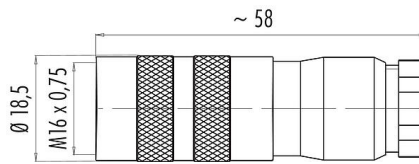


|                     |   |
|---------------------|---|
| Product description | <b>M16 IP67 Female cable connector, Contacts: 19 (19-a), 6.0-8.0 mm, shieldable, solder, IP67, UL</b> |
| Area                | <b>M16 IP67 series 423</b>  |
| Part no.            | <b>99 5662 00 19</b>  |

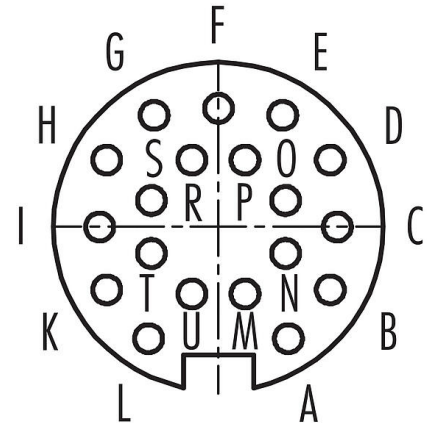
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

### Technical data

#### General features

|                           |                                    |
|---------------------------|------------------------------------|
| Part no.                  | <b>99 5662 00 19</b>               |
| Connector design          | Female cable connector             |
| Version                   | Connector socket straight          |
| Connector locking system  | screw                              |
| Termination               | solder                             |
| Degree of protection      | IP67                               |
| Cross-sectional area      | max. 0.25 mm <sup>2</sup> / AWG 24 |
| Cable outlet              | 6.0-8.0 mm                         |
| Temperature range from/to | -30 °C / 95 °C                     |
| Mechanical operation      | > 500 Mating cycles                |
| Weight (g)                | 49.23                              |
| Customs tariff number     | 85369010                           |

#### Electrical parameters

|                           |                       |
|---------------------------|-----------------------|
| Rated voltage             | 60 V                  |
| Rated impulse voltage     | 500 V                 |
| Rated current (40 °C)     | 3,0 A                 |
| Insulation resistance     | $\geq 10^{10} \Omega$ |
| Pollution degree          | 1                     |
| Overtoltage category      | I                     |
| Insulating material group | III                   |
| EMC compliance            | shieldable            |
| Shield connection         | cable clamp           |

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### Material

|                       |                                      |
|-----------------------|--------------------------------------|
| Housing material      | CuZn (Brass nickel plated)           |
| Contact body material | PBT (UL94 V-0)                       |
| Contact material      | CuSn (bronze)                        |
| Contact plating       | Au (gold)                            |
| REACH SVHC            | CAS 7439-92-1 (Lead)                 |
| SCIP number           | 03879387-ef99-40d2-9e68-2839b4ab3277 |

### Authorization/approvals

|           |    |
|-----------|----|
| Approvals | UL |
|-----------|----|

### Classifications

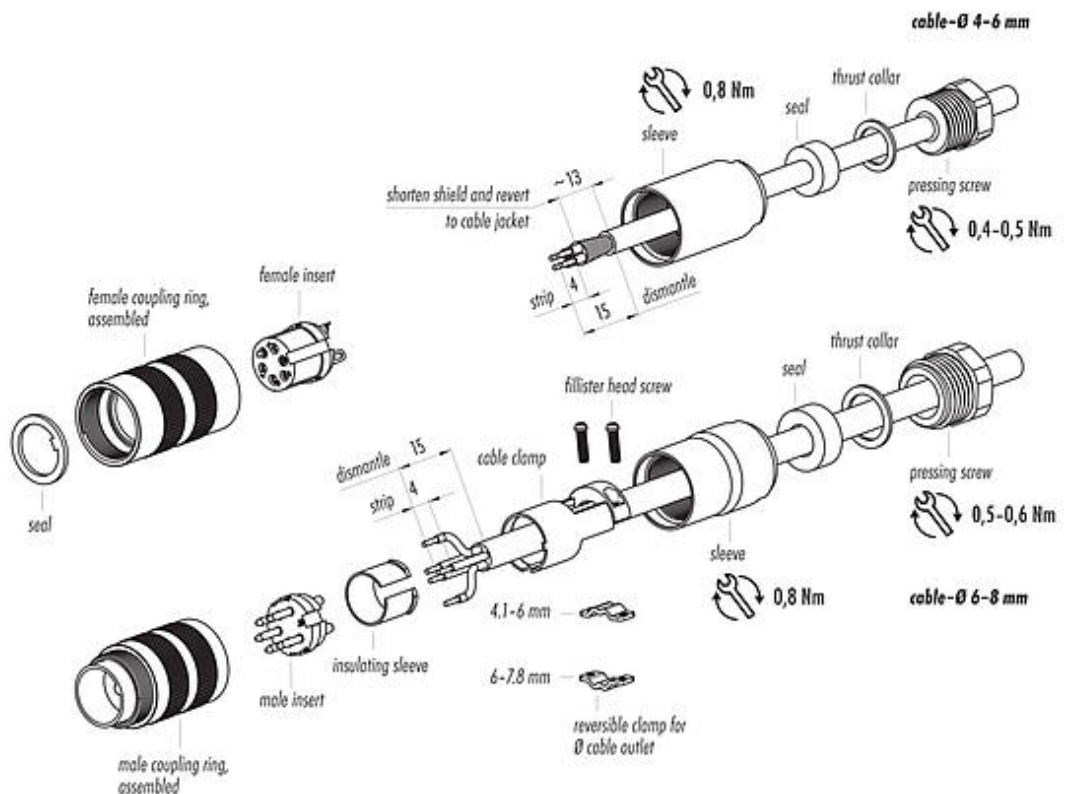
|             |             |
|-------------|-------------|
| eCl@ss 11.1 | 27-44-01-02 |
| ETIM 7.0    | EC002635    |

### Declarations of conformity

|                       |  |
|-----------------------|--|
| Low Voltage Directive | 2014/35/EU (EN 60204-1:2018;EN 60529:1991) |
|-----------------------|--|

### Assembly instructions

1. Bead pressing screw, thrust collar, seal, sleeve and insulating sleeve to cable.
2. Dismantle cable to 15 mm length.
3. Strip single wires.
4. If cable is shielded, shorten shield and revert to cable jacket.
5. Solder single wires.
6. Assemble clamping device and screw sleeve into coupling ring.
7. Tighten pressing screw.



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### **General Disclaim Notice**

The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.

Plug connectors with enclosure protection IP67 and IP68 are not suitable for use under water. When used outdoors, the plug connectors must be protected separately against corrosion. For further information on the IP protection classes, please refer to the "Technical Information" download centre.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).