

# Product data sheet

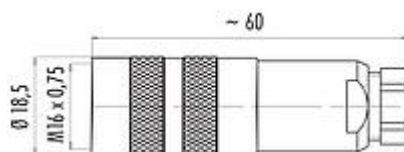
## Miniature connectors

Product description	M16 IP67 Female cable connector, Contacts: 8 DIN, 4.0 - 6.0 mm, shieldable, solder, IP68, UL, AISG compliant
Area	M16 IP67 series 423
Part no.	99 5172 00 08

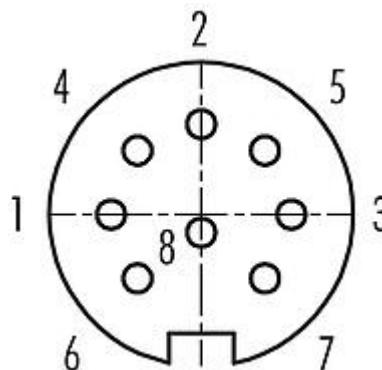
### Illustration



### Scale drawing



### Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

## Technical data

### General features

Part no.	99 5172 00 08
Connector design	Female cable connector
Version	female straight
Connector locking system	screw
Termination	solder
Degree of protection	IP68 IP67
Cross-sectional area	max. 0.75 mm <sup>2</sup> / AWG 18
Cable outlet	4.0 - 6.0 mm
Temperature range from/to	-30 °C / 95 °C
Tightening torque sleeve	0.8 Nm
Tightening torque pressing screw	0.4-0.5 Nm
Mechanical operation	> 500 Mating cycles
Weight (g)	51.65
Customs tariff number	85369010

### Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current (40 °C)	5,0 A
Insulation resistance	≥ 10 <sup>10</sup> Ω
Pollution degree	1
Overvoltage category	I

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Part no. **99 5172 00 08**

Insulating material group **III**  
EMC compliance **shieldable**  
Shield connection **cable clamp**

### Material

Housing material **CuZn (Brass nickel plated)**  
Contact body material **PBT (UL94 V-0)**  
Contact material **CuSn (bronze)**  
Contact plating **Ag (silver)**  
REACH SVHC **CAS 7439-92-1 (Lead)**  
SCIP number **SCIP-number not available**

### Authorization/approvals

Approvals **UL, AISG compliant**

### 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)**

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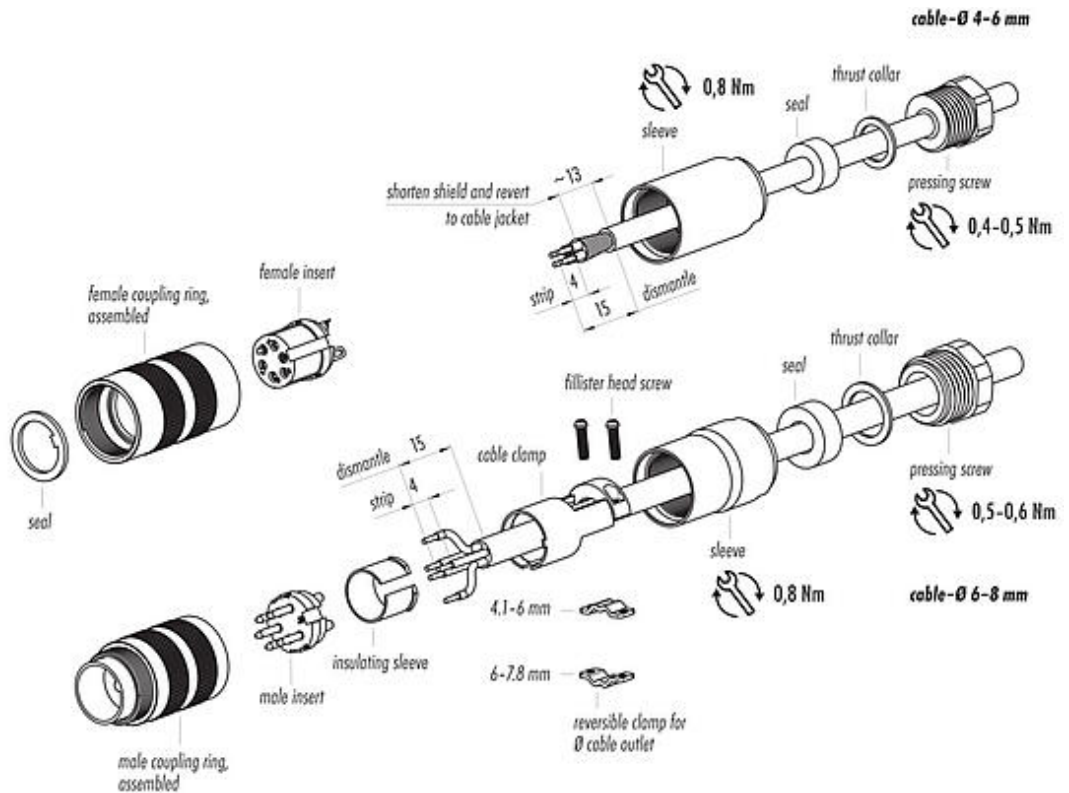


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### Assembly instructions

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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### **Security notices**

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).