

Product data sheet

Miniature connectors

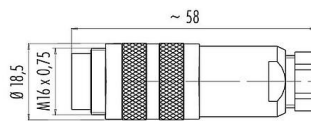


| | |
|---------------------|---|
| Product description | M16 Male cable connector, Contacts: 8 (08-a), 4.0-6.0 mm, shieldable, solder, IP68, UL, AISG compliant |
| Area | M16 IP67 series 423 |
| Part no. | 99 5171 00 08 |

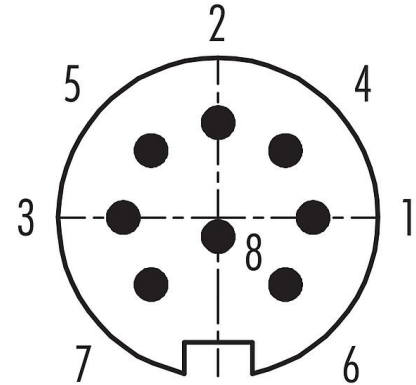
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

| | |
|---------------------------|------------------------------------|
| Part no. | 99 5171 00 08 |
| Connector design | Male cable connector |
| Type standard | DIN EN 61076-2-106 |
| Version | Connector pin straight |
| Connector locking system | screw |
| Termination | solder |
| Degree of protection | IP68 IP67 |
| Cross-sectional area | max. 0.75 mm ² / AWG 18 |
| Cable outlet | 4.0-6.0 mm |
| Temperature range from/to | -30 °C / 95 °C |
| Mechanical operation | > 500 Mating cycles |
| Weight (g) | 49.63 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

Electrical parameters

| | |
|---------------------------|----------------------|
| Rated voltage | 60 V |
| Rated impulse voltage | 500 V |
| Rated current | 5.0 A |
| Insulation resistance | ≥ 10 ¹⁰ Ω |
| Pollution degree | 1 |
| Overvoltage 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 | CuZn (brass) |
| Contact plating | Ag (silver) |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | 78bb9a99-ad2a-4491-9a90-f3a99ad3f7e3 |

Authorization/approvals

| | |
|-----------|--------------------|
| Approvals | UL, AISG compliant |
|-----------|--------------------|

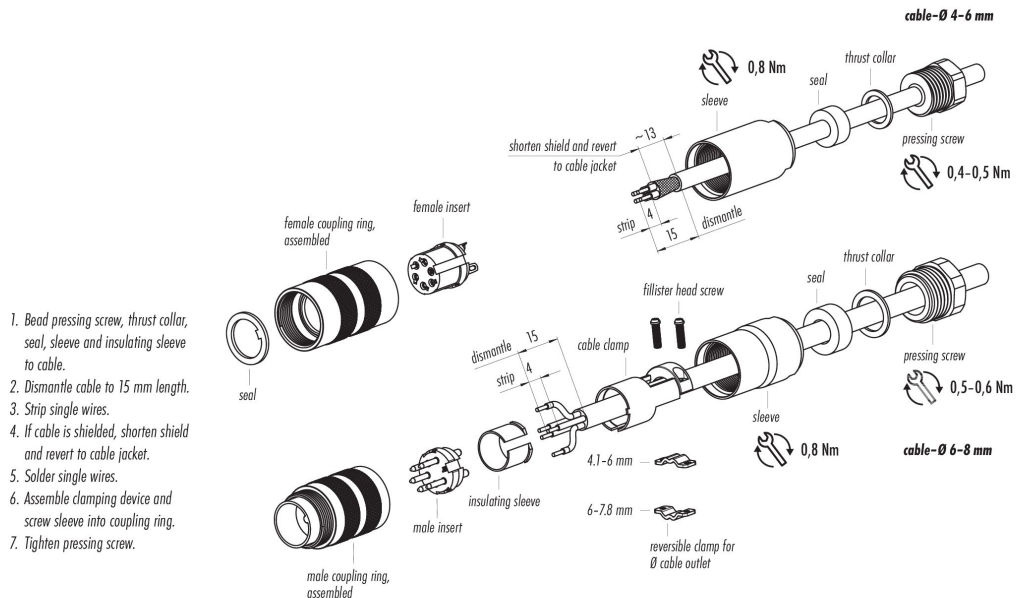
Classifications

| | |
|-------------|-------------|
| eCl@ss 11.1 | 27-44-01-02 |
| ETIM 9.0 | EC002635 |

Declarations of conformity

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

Assembly instructions



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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).