

Product data sheet

Miniature connectors



| | |
|---------------------|---|
| Product description | M16 IP67 cable connector, Contacts: 6 DIN, 4.0 - 6.0 mm, shieldable, crimp (Crimp contacts must be ordered separately), IP67, UL |
| Area | M16 IP67 series 423 |
| Order number | 99 5121 700 06 |

| Illustration | Scale drawing | Contact arrangement (Plug-in side) | | | | | | | | | | | | | | | | | | | | | |
|--------------|---------------|---|--|---|---|---|------|-------|---|------|------|---|------|------|---|-------|------|---|-------|-------|---|------|------|
| | | <table border="1"> <thead> <tr> <th></th><th>X</th><th>Y</th></tr> </thead> <tbody> <tr> <td>1</td><td>3,03</td><td>-1,75</td></tr> <tr> <td>2</td><td>3,03</td><td>1,75</td></tr> <tr> <td>3</td><td>0,00</td><td>3,50</td></tr> <tr> <td>4</td><td>-3,03</td><td>1,75</td></tr> <tr> <td>5</td><td>-3,03</td><td>-1,75</td></tr> <tr> <td>6</td><td>0,00</td><td>0,00</td></tr> </tbody> </table> | | X | Y | 1 | 3,03 | -1,75 | 2 | 3,03 | 1,75 | 3 | 0,00 | 3,50 | 4 | -3,03 | 1,75 | 5 | -3,03 | -1,75 | 6 | 0,00 | 0,00 |
| | X | Y | | | | | | | | | | | | | | | | | | | | | |
| 1 | 3,03 | -1,75 | | | | | | | | | | | | | | | | | | | | | |
| 2 | 3,03 | 1,75 | | | | | | | | | | | | | | | | | | | | | |
| 3 | 0,00 | 3,50 | | | | | | | | | | | | | | | | | | | | | |
| 4 | -3,03 | 1,75 | | | | | | | | | | | | | | | | | | | | | |
| 5 | -3,03 | -1,75 | | | | | | | | | | | | | | | | | | | | | |
| 6 | 0,00 | 0,00 | | | | | | | | | | | | | | | | | | | | | |

You can find the component part drawing and assembly instructions on the next page.

Technical data

General values

| | |
|--------------------------|---|
| Connector design | cable connector |
| Connector locking system | screw |
| Termination | crimp (Crimp contacts must be ordered separately) |
| Wire gauge (mm) | see crimp contacts under accessories |
| Cable outlet | 4.0 - 6.0 mm |
| Upper limit temperature | 100 °C |
| Lower limit temperature | - 40 °C |
| Customs tariff number | 85369010 |
| Packaging Unit | 50 |

Cable data

| | |
|------------|----|
| Approval 1 | UL |
|------------|----|

Electrical values

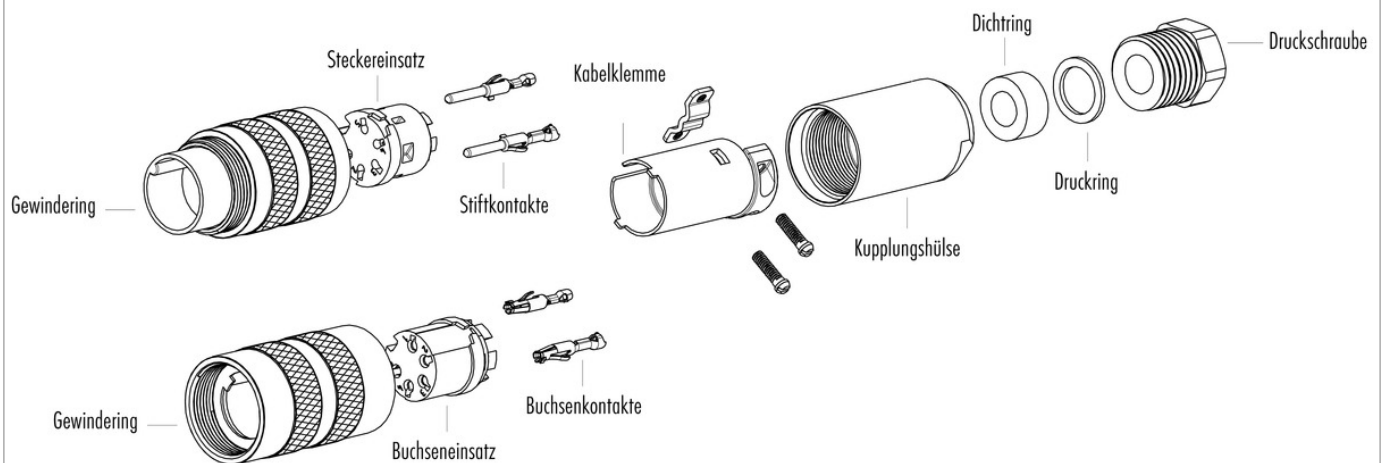
| | |
|---------------------------|-----------------------|
| Rated current (40 °C) | 5 A |
| Rated voltage | 250 V |
| Rated impulse voltage | 1500 V |
| Pollution degree | 1 |
| Overvoltage category | I |
| Insulating material group | III |
| Insulation resistance | $\geq 10^{10} \Omega$ |
| EMC compliance | shieldable |
| Degree of protection | IP67 |
| Mechanical operation | > 500 Mating cycles |

Material

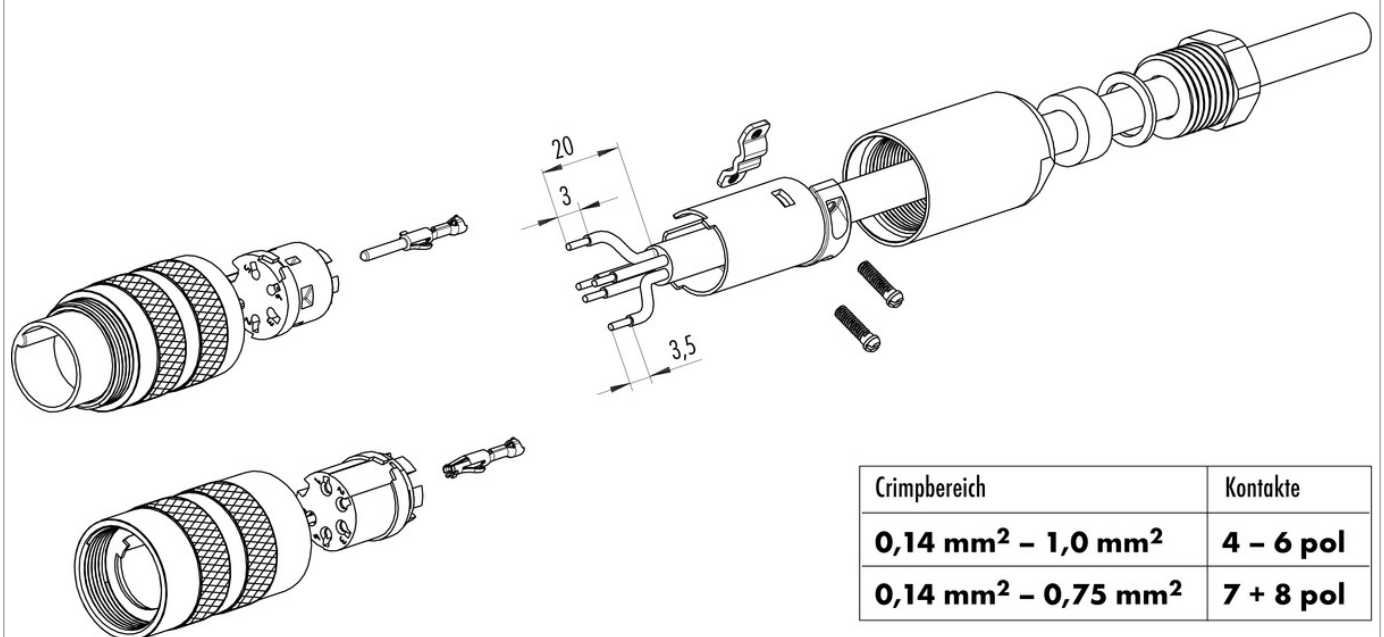
| | |
|-----------------------|--|
| Contact material | depending on crimp contact (accessory) |
| Contact body material | PBT (UL94 V-0) |
| REACH SVHC | CAS 7439-92-1 (Lead) |

| | |
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Component part drawing



Assembly instructions / Panel cut-out



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Security notices

The connector must not be connected or separated under load. Non-observance and incorrect use can result in personal injury.

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors used in electrical circuits containing hazardous life parts must only be assembled and used by or under the supervision of persons with the requisite electrotechnical training, taking the applicable regulations and standards into account.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

The connector is not suitable for mains voltages. Please observe the pollution degrees and the overvoltage category. For further information refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).