

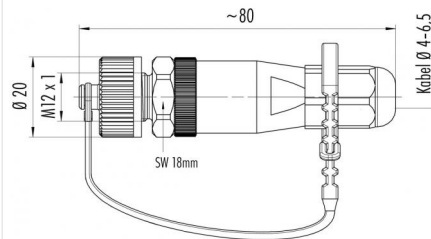
Product description **M12-A cable connector, Contacts: 5, 4.0 - 6.5 mm, not shielded, screw clamp, IP69K**

Area **M12-A series 713**
Order number **99 0437 684 05**

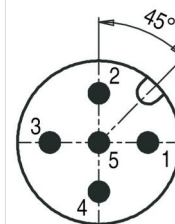
Illustration



Scale drawing



Contact arrangement (Plug-in side)



| | X | Y |
|---|-------|-------|
| 1 | 2,50 | 0,00 |
| 2 | 0,00 | 2,50 |
| 3 | -2,50 | 0,00 |
| 4 | 0,00 | -2,50 |
| 5 | 0,00 | 0,00 |

You can find the assembly instructions on the next page.

Technical data

General values

| | |
|--------------------------|---------------------------|
| Connector design | cable connector |
| Connector locking system | screw |
| Termination | screw clamp |
| Wire gauge (mm) | max. 0.75 mm ² |
| Wire gauge (AWG) | max. 18 |
| Cable outlet | 4.0 - 6.5 mm |
| Upper limit temperature | 100 °C |
| Lower limit temperature | - 40 °C |
| Customs tariff number | 85369010 |
| Packaging Unit | 50 |

Electrical values

| | |
|---------------------------|---------------------|
| Rated current (40 °C) | 4 A |
| Rated voltage | 60 V |
| Rated impulse voltage | 1500 V |
| Pollution degree | 3 |
| Overvoltage category | II |
| Insulating material group | III |
| Insulation resistance | > 10 ⁸ Ω |
| EMC compliance | not shielded |
| Degree of protection | IP69K |
| | IP68 |
| Mechanical operation | > 100 Mating cycles |

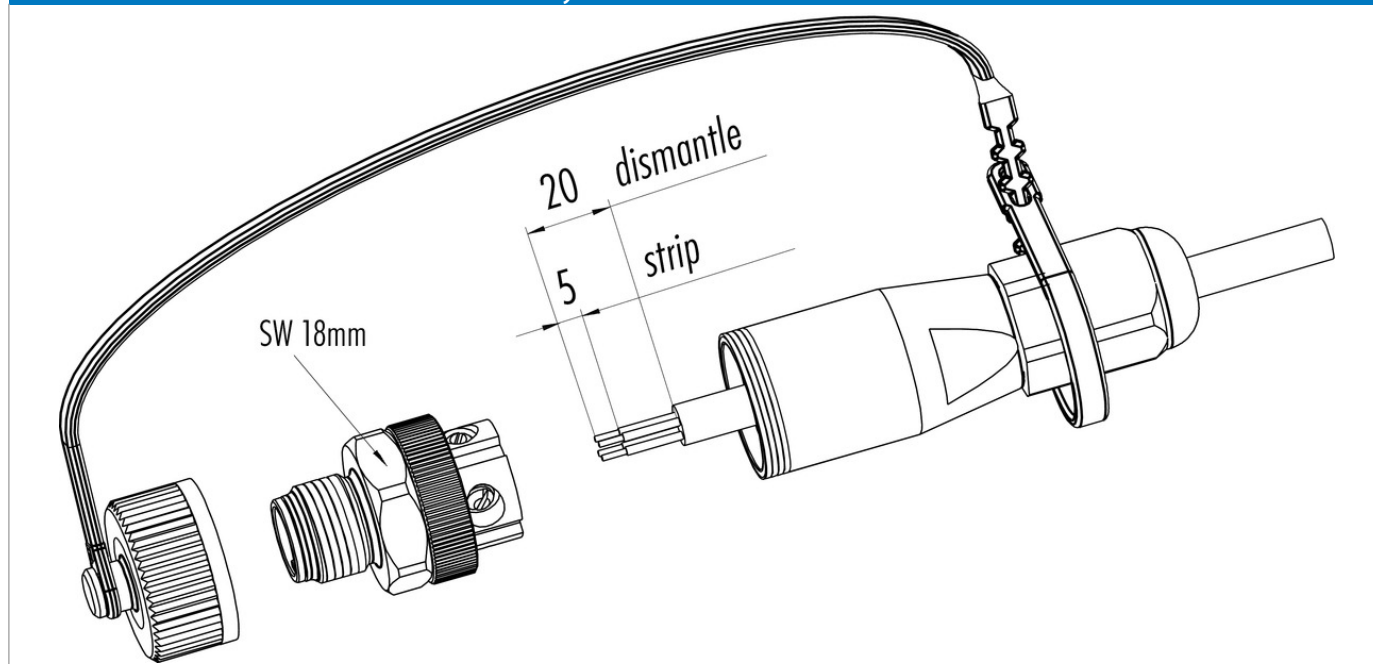
Material

| | |
|-----------------------|----------------------|
| Contact material | CuZn (brass) |
| Contact plating | Au (gold) |
| Contact body material | PA |
| Housing material | PA |
| Locking material | stainless steel |
| REACH SVHC | CAS 7439-92-1 (Lead) |

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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.

To prevent the connector being opened unintentionally when used in electrical circuits containing hazardous life parts, the thread between the housing and the connector head must be secured using a suitable cyanoacrylate adhesive. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

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.

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