Product description
M12-A cable connector, Contacts: 5, 6.0 - 8.0 mm, not shielded, screw clamp, IP67, UL

Area
M12-A series 713

Order number
99 0437 57 05

Illustration

Scale drawing

Contact arrangement

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: screw clamp
- Wire gauge (mm²): 0.75 mm²
- Wire gauge (AWG): 18
- Cable outlet: 6.0 - 8.0 mm
- Upper limit temperature: 85 °C
- Lower limit temperature: -40 °C
- Customs tariff number: 85369010

Electrical values
- Rated current (40 °C): 4 A (3 A UL)
- Rated voltage: 60 V
- Rated impulse voltage: 1500 V
- Pollution degree: 3
- Overvoltage category: II
- Insulating material group: III
- Insulation resistance: > 10⁸ Ω
- EMC compliance: not shielded
- Degree of protection: IP67
- Mechanical operation: > 50 Mating cycles

Cable data
- Approval 1: UL

Material
- Contact material: CuZn (brass)
- Contact plating: CuSnZn (Optalloy)
- Contact body material: PA
- Housing material: PA
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Component part drawing:

Material der Gewinderinge: Kunststoff, Zink Druckguss, Edelstahl

Assembly instructions / Panel cut-out:

<table>
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<th>Schraubklemmversion</th>
<th>Lötversion</th>
<th>Käfigzugfederversion</th>
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<tbody>
<tr>
<td>Maß A/mm</td>
<td>5</td>
<td>3,5</td>
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Material der Gewinderinge: Kunststoff, Zink Druckguss, Edelstahl
Product data sheet
Automation technology - sensors and actuators

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Security notices

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 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.

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