

Product description **Polzahl: 4, Kabeldurchlass: 4-6 mm, Kabeldose, schirmbar, Schraubklemmanschluss, Schirmringversion, mit Druckgussgewinding, mit UL-Zulassung**

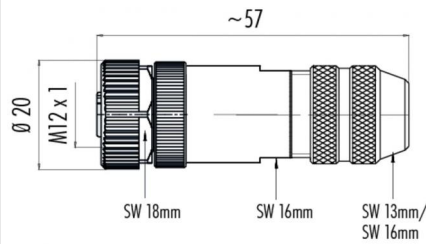
Area **M12-A Series 713**

Order number **99 1430 814 04**

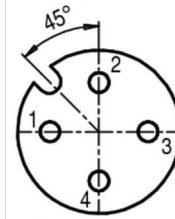
### Illustration



### Scale drawing

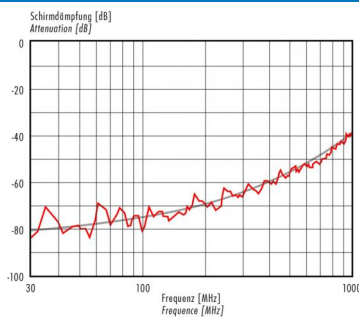


### Contact arrangement



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

### Attenuation characteristics



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

## Technical data

### General values

Connector design	Kabeldose
Connector locking system	schraub schraubklemm
Termination	schraubklemm
Wire gauge (mm)	0,75 mm <sup>2</sup>
Wire gauge (AWG)	(18)
Cable outlet	4 – 6 mm
Upper limit temperature	85 °C
Lower limit temperature	-40 °C

### Cable data

Approval 1 UL

### Electrical values

Rated voltage	250 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Rated current (40 °C)	4A (3A UL)
Volume resistivity	≤ 3 mΩ
EMC compliance	schirmbar
Degree of protection	IP67
Mechanical operation	> 100 Steckzyklen

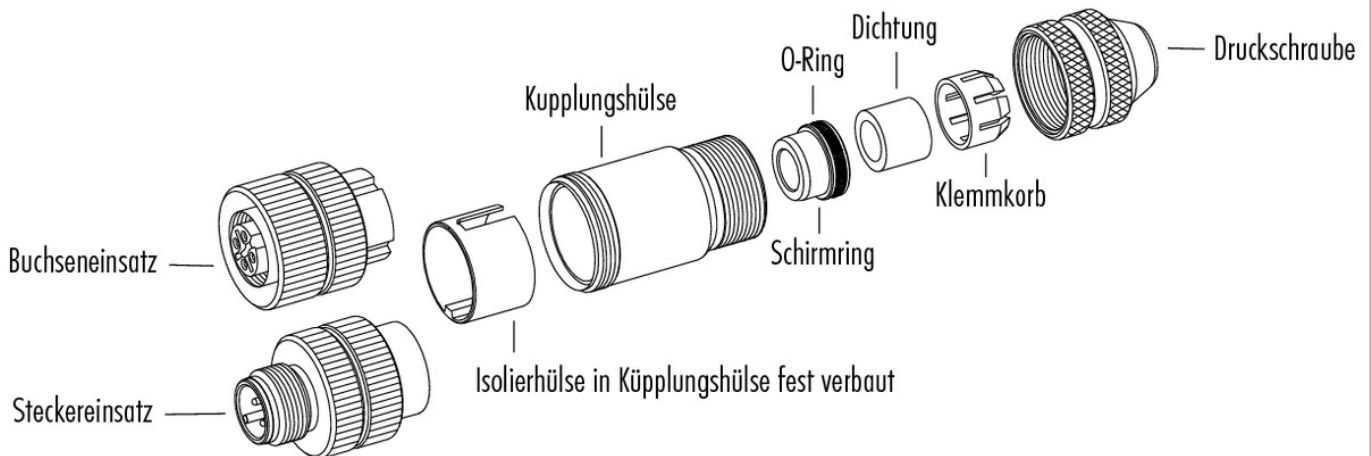
### Material

Contact material	CuZn (Messing)
Contact plating	Au (Gold)
Contact body material	PA
Housing material	Zink Druckguss vernickelt

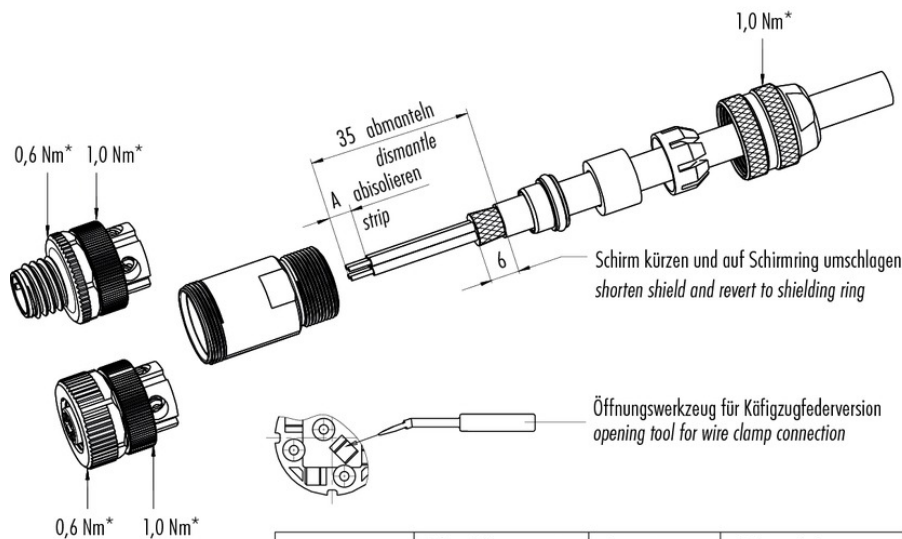
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### Component part drawing



### Assembly instructions / Panel cut-out



1. Teile auffädeln.
2. Abisolieren, Schirm kürzen und auf Schirmring umschlagen.
3. Litzen durch Gehäuse fädeln, Schirmring, Dichttring, Klemmkorb montieren. Druckschraube andrehen, um das Kabel zu fixieren. Litzen anschrauben.
4. Gehäuse mit Stecker- bzw. Buchseneinsatz verschrauben und Druckschraube festdrehen.

1. Bead parts.
2. Strip single cores, shorten shielding braid and revert to shielding ring.
3. Thread single wires through housing, mount shielding ring, seal and pinch ring. Turn on pressing screw to fix the cable. Screw on single wires.
4. Screw housing to male or female contact insert and fix pressing screw.

\* Empfohlenes Anzugsdrehmoment  
Recommended tightening moment

	Schraubklemmversion screw connection	Lötversion solder version	Käfigzugfederversion wire clamp connection
Maß A/mm measure A/mm	<b>4</b>	<b>3,5</b>	<b>7</b>

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## Sicherheitshinweise

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.

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).