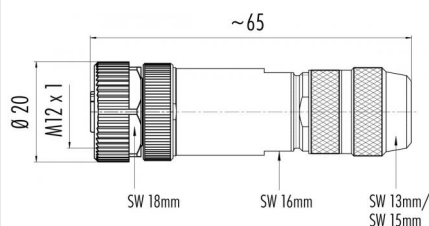


Product description	M12-A female cable connector, Contacts: 4, 5.0 - 8.0 mm, shieldable, screw clamp, IP67, UL
Area	M12-A series 713
Order number	99 1432 814 04

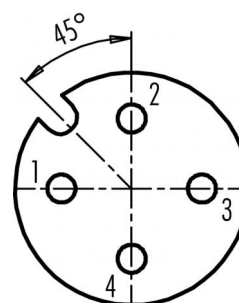
Illustration



Scale drawing



Contact arrangement (Plug-in side)



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

Technical data

General values

Connector design	female cable connector
Connector locking system	screw
Termination	screw clamp
Wire gauge (mm)	max. 0.75 mm ²
Wire gauge (AWG)	max. AWG 18
Cable outlet	5.0 - 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	250 V
Rated impulse voltage	2500 V
Pollution degree	3
Overvoltage category	II
Insulating material group	III
Insulation resistance	> 10 ⁸ Ω
EMC compliance	shieldable
Degree of protection	IP67
Mechanical operation	> 100 Mating cycles

Material

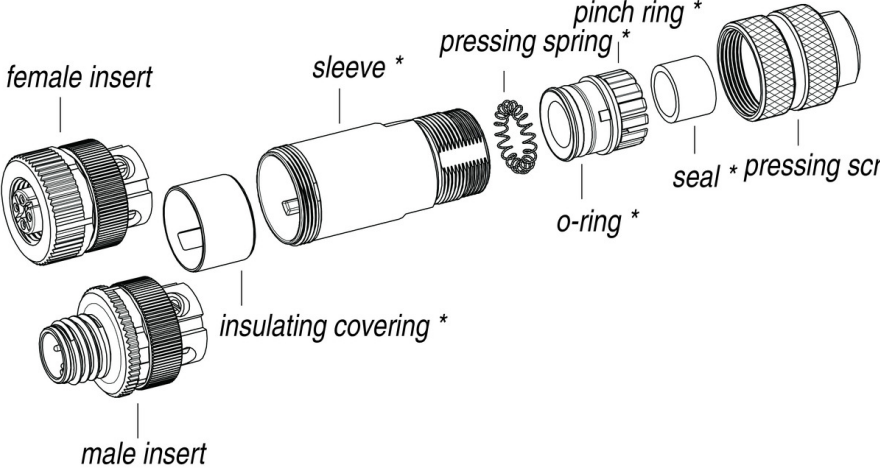
Contact material	CuZn (brass)
Contact plating	Au (gold)
Contact body material	PA
Housing material	Zinc die-cast nickel-plated
REACH SVHC	CAS 7439-92-1 (Lead)

authorization/approvals

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

Product description	M12-A female cable connector, Contacts: 4, 5.0 - 8.0 mm, shieldable, screw clamp, IP67, UL
Area	M12-A series 713
Order number	99 1432 814 04

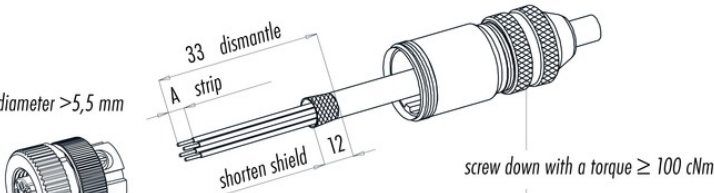
Component part drawing



* Premounted parts

Assembly instructions / Panel cut-out

shielding braid diameter >5,5 mm



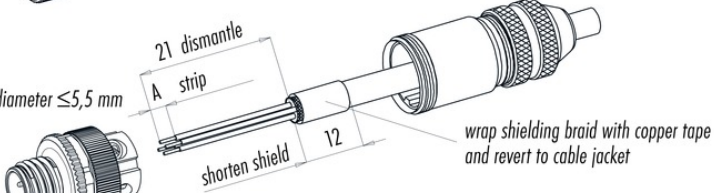
33 dismantle

A strip

shorten shield 12

screw down with a torque ≥ 100 cNm

shielding braid diameter $\leq 5,5$ mm




21 dismantle

A strip

shorten shield 12

wrap shielding braid with copper tape and revert to cable jacket

opening tool for wire clamp connection



Shielding braid diameter >5,5 mm

1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid.
3. Connect single wires (screw).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier and fix pressing screw.

Shielding braid diameter $\leq 5,5$ mm

1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid, revert to cable jacket and wrap it with copper tape.
3. Connect single wires (screw).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier and fix pressing screw.

	screw connection	wire clamp connection
measure A/mm	5	7

Product description	M12-A female cable connector, Contacts: 4, 5.0 - 8.0 mm, shieldable, screw clamp, IP67, UL
Area	M12-A series 713
Order number	99 1432 814 04

Security notices

The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.

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.

To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).

Connectors which are used in circuits with voltages dangerous to the touch may only be installed and used by, or under the supervision of, persons with electrical engineering training, taking into account the applicable regulations and standards.

Plug connectors with enclosure protection IP 67 and IP 68 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).