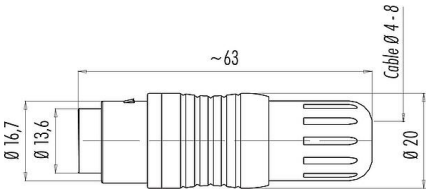
Product data sheet
Miniature connectors

Product description	**Push Pull Male cable connector, Contacts: 19, 4.0-8.0 mm, shieldable, solder, IP67**
Area	**Push-Pull**
Series	**440**
Part no.	**99 4841 00 19**

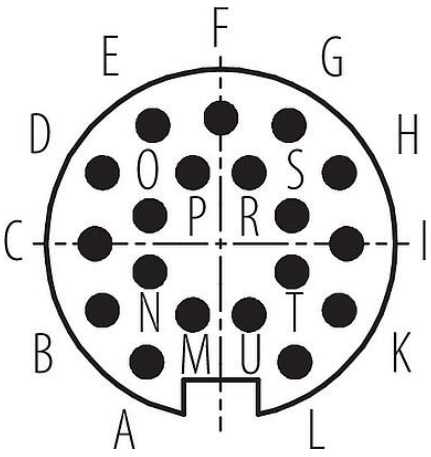
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 4841 00 19
Connector design	Male cable connector
Version	Connector pin straight
Connector locking system	Push-Pull
Termination	solder
Degree of protection	IP67
Connection cross-section	max. 0.25 mm² / AWG 24
Cable outlet	4.0-8.0 mm
Temperature range from/to	-40 °C / 85 °C
Mechanical operation	> 1000 Mating cycles
Weight (g)	24.07
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current	3,0 A
Insulation resistance	≥ 10^{10} Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	shieldable

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Shield connection	Shield clamping

Material

Housing material	PA GF 25
Contact body material	PBT (UL94 V-0)
Contact material	CuZn (brass)
Contact plating	Au (gold)
REACH SVHC	CAS 7439-92-1 (Lead)
SCIP number	38bb3b1d-5998-4e0b-a438-f44509f2f6ad

Classifications

eCl@ss 11.1	27-44-01-02
ETIM 9.0	EC002635

Declarations of conformity

Low Voltage Directive	EN 60529:1991 | EN 60204-1:2018

Trade-Compliance

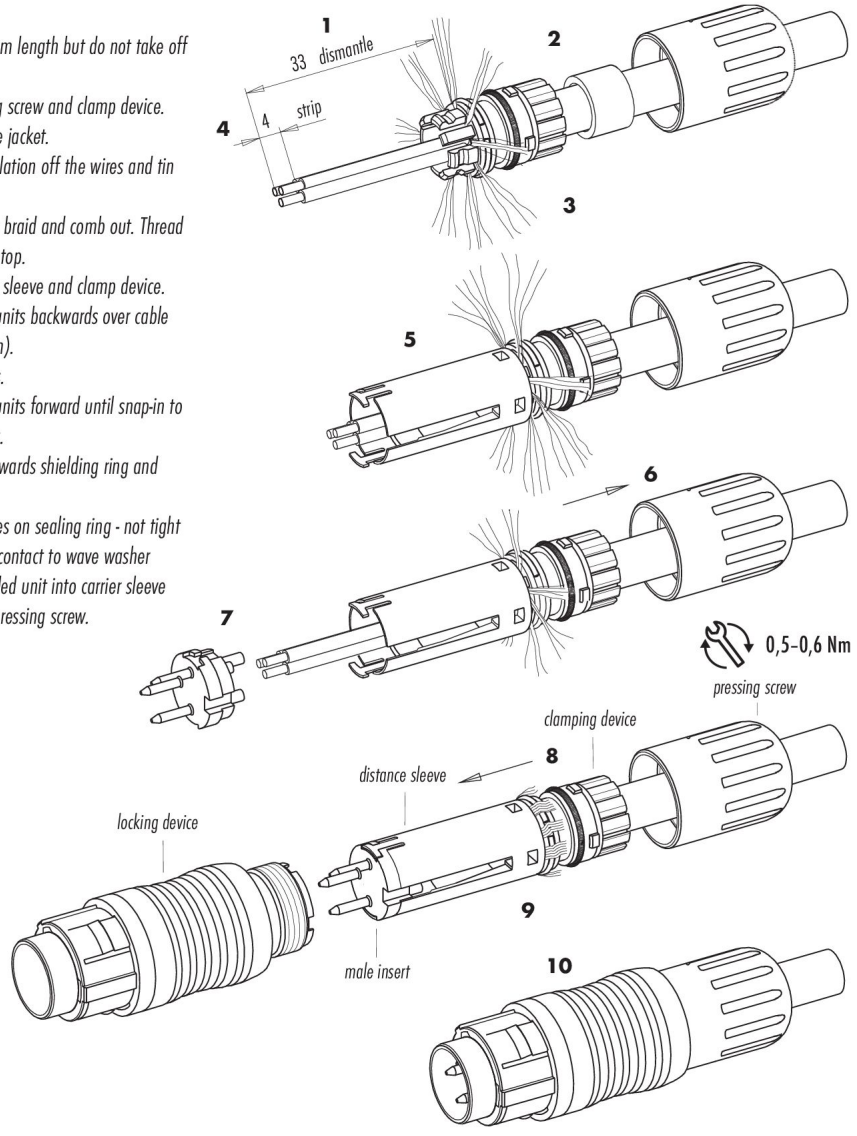
Copper (9903.78.01)	0.000321 kg

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Assembly instructions

1. *Strip to 33 mm length but do not take off cable jacket.*
2. *Bead pressing screw and clamp device. Remove cable jacket.*
3. *Strip the insulation off the wires and tin them.*
4. *Fan shielding braid and comb out. Thread wires around top.*
5. *Lock distance sleeve and clamp device.*
6. *Push mated units backwards over cable (appr. 10 mm).*
7. *Solder inserts.*
8. *Push mated units forward until snap-in to contact insert.*
9. *Strip wires towards shielding ring and shorten.*
   too long: wires on sealing ring - not tight
   too short:no contact to wave washer
10. *Push assembled unit into carrier sleeve and tighten pressing screw.*



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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.

The user must take suitable safety precautions to ensure that the connector cannot be accidentally disconnected.

Plug connectors with enclosure protection IP67 and IP68 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.

Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".