

Product data sheet

Miniature connectors

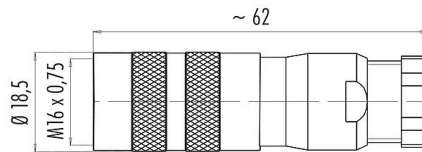


Product description	Female cable connector, Contacts: 5 (05-b), 6.0-8.0 mm, shieldable, solder, IP67, UL
Area	series 423
Part no.	99 5618 15 05

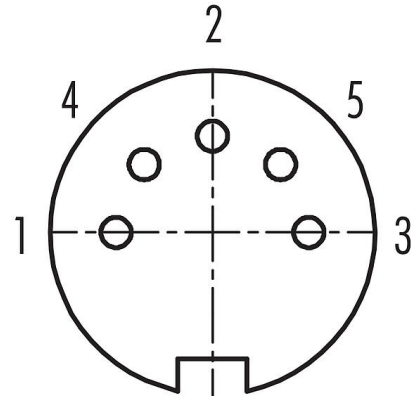
Illustration



Scale drawing



Contact arrangement (Plug-in side)



You can find the assembly instructions on the next page.

Technical data

General features

Part no.	99 5618 15 05
Connector design	Female cable connector
Type standard	DIN EN 61076-2-106
Version	Connector socket straight
Connector locking system	screw
Termination	solder
Degree of protection	IP67
Cross-sectional area	max. 0.75 mm ² / AWG 18
Cable outlet	6.0-8.0 mm
Temperature range from/to	-30 °C / 95 °C
Mechanical operation	> 500 Mating cycles
Weight (g)	48.68
Customs tariff number	85369010

Electrical parameters

Rated voltage	60 V
Rated impulse voltage	500 V
Rated current (40 °C)	6.0 A
Insulation resistance	≥ 10 ¹⁰ Ω
Pollution degree	1
Overvoltage category	I
Insulating material group	III
EMC compliance	shieldable
Shield connection	Shielding ring

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Material

Housing material	CuZn (Brass nickel plated)
Contact body material	PBT (UL94 V-0)
Contact material	CuSn (bronze)
Contact plating	Ag (silver)
REACH SVHC	CAS 96-45-7 (Imidazolidine-2-thione) CAS 7439-92-1 (Lead)
SCIP number	4220776f-14fe-4c16-a7db-b0439db9172e

Authorization/approvals

Approvals	UL
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Classifications

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

Declarations of conformity

Low Voltage Directive	2014/35/EU (EN 60204-1:2018;EN 60529:1991)
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Assembly instructions

female coupling ring, assembled

female insert

shielding ring

shield clamping ring

sleeve

pinch ring

seal

pressing screw

PG 11

cable-Ø 8-10 mm

cable-Ø 8 mm → 0,8 Nm

cable-Ø 10 mm → 1,0 Nm

PG 9

cable-Ø 6-8 mm

cable-Ø 6 mm → 0,7 Nm

cable-Ø 8 mm → 0,9 Nm

PG 7

cable-Ø 4-6 mm

cable-Ø 4 mm → 0,7 Nm

cable-Ø 6 mm → 0,9 Nm

seal

strip

20

4

distance shell

male coupling ring, assembled

male insert

1. Bead pressing screw, pinch ring, seal, distance shell and shield clamping ring on cable.
2. Dismantle cable to 20 mm length.
3. Strip wires, widen shield and bead shielding ring.
4. Solder wires, snap distance shell, push the shield clamping ring and shielding ring together and cut off projecting shielding braid.
5. Assemble remaining parts.

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General Disclaim Notice

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.

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.

To lock the cable connector with the device connector, the threaded ring is tightened "hand-tight" (approx. 50 cNm).