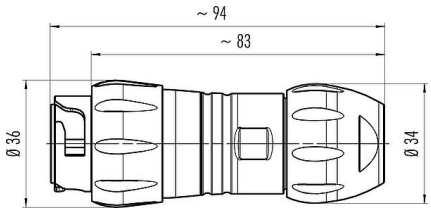
Product data sheet
Power connectors

Product description	**Bayonet Male cable connector, Contacts: 4+PE, 7.0-17.0 mm, unshielded, crimping (Crimp contacts must be ordered separately), IP68/IP69K, UL 2238, VDE, UV resistant**
Area	**Bayonet HEC**
Series	**696**
Part no.	**99 6489 000 05**

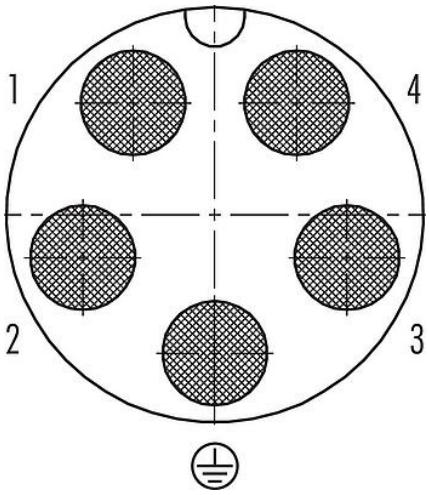
Illustration (may vary)



Scale drawing



Contact arrangement (Plug-in side)



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

Technical data

General features

Part no.	99 6489 000 05
Connector design	Male cable connector
Version	Connector pin straight
Connector locking system	Bayonet
Termination	crimping (Crimp contacts must be ordered separately)
Degree of protection	IP68/IP69K
Connection cross-section	2.50-6.00 mm² / AWG 14-10
Cable outlet	7.0-17.0 mm
Temperature range from/to	-40 °C / 100 °C
Mechanical operation	> 1000 Mating cycles
Weight (g)	53.43
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	600 V
Rated impulse voltage	6000 V
Rated current	32 A (35 A UL; 22 A CSA)
Insulation resistance	> 10^{10} Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	I

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EMC compliance	unshielded

Material

Housing material	PA
Contact body material	PA
Contact material	depending on crimp contact (accessory)
REACH SVHC	None (No pollutants)
SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL 2238, VDE

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

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Assembly instructions

1. *Strip to L = X mm length and take off cable jacket.*
2. *Bead pressing screw, pinch ring, seal and distance sleeve to cable.*
3. *Strip insulation of the single wires (length Y mm).*
4. *Crimp contacts to single wires.**
5. *Press crimped contacts into contact carrier until they snap into place. Then push the carrier into the connector sleeve to block.*
6. *Put locking unit to the thread of the connector sleeve and screw it towards the direction marked with an arrow until it is tight.*
7. *Push sealing ring into the pinch ring to block and fix both by screwing the pressing screw towards the connector sleeve. (recommended torque 2.5 Nm)*

Extracting the contacts:
As the contacts are full floating the extraction tool can be inserted with slight pendular movements to block. Afterwards press the extraction button.

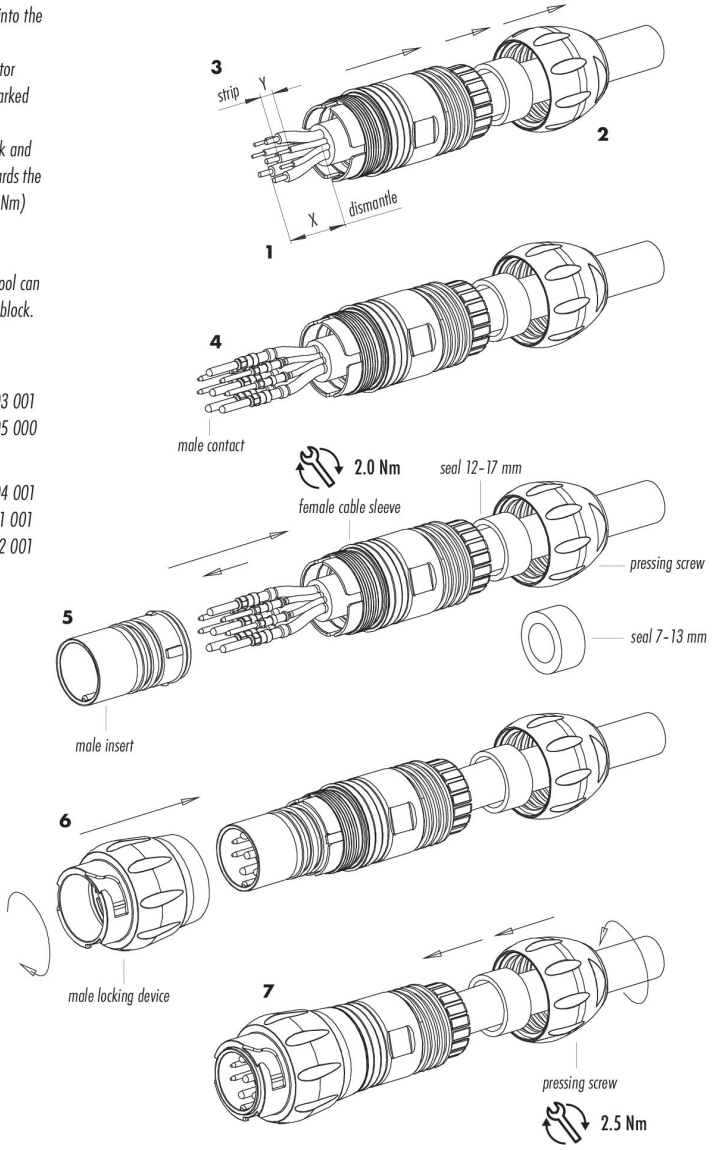
* *Crimping tool*

Ordering-No.	*0.14 - 4 mm²*	*66 0003 001*
Ordering-No.	*1.5 - 6 mm²*	*66 0005 000*

Extraction tool for contacts

Ordering-No.	*Ø 1.6 mm*	*66 0004 001*
Ordering-No.	*Ø 2.5 mm*	*66 0011 001*
Ordering-No.	*Ø 3.6 mm*	*66 0012 001*

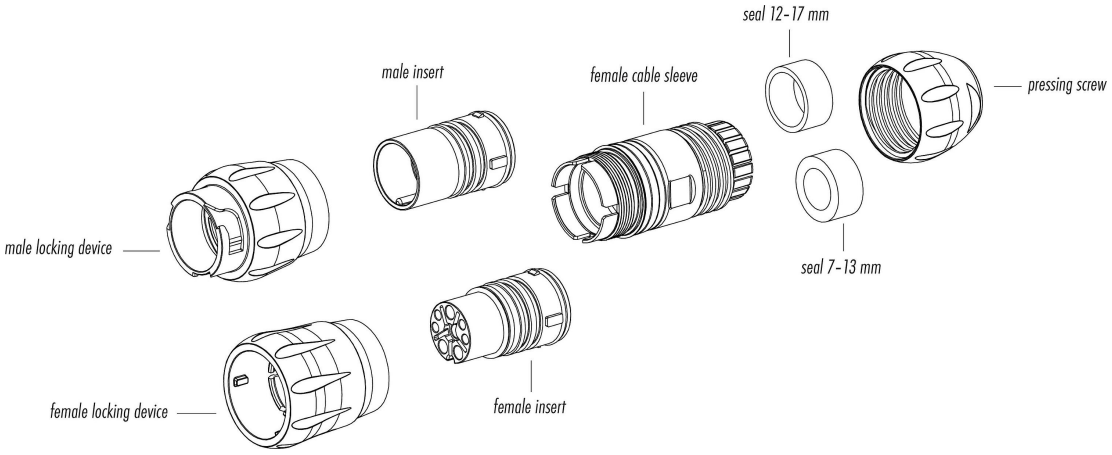
Contacts	*contact-Ø*	*length X*	*length Y*
8	*Ø 1.6 mm*	*45 mm*	*8 mm*
8	*Ø 2.5 mm*	*45 mm*	*8 mm*
5	*Ø 3.6 mm*	*50 mm*	*12 mm*



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Component part drawing



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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".