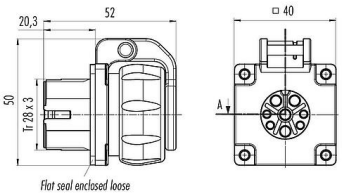
Product data sheet
Power connectors

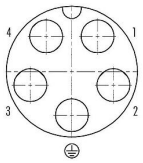
Product description	**Bayonet Female panel mount connector, Contacts: 4+PE, unshielded, crimping (Crimp contacts must be ordered separately), IP68/IP69K, UL 2238, VDE, Front mounting**
Area	**Bayonet HEC**
Series	**696**
Part no.	**09 6492 200 05**

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 features

Part no.	09 6492 200 05
Connector design	Female panel mount connector
Version	Connector socket 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
Temperature range from/to	-40 °C / 100 °C
Mechanical operation	> 1000 Mating cycles
Weight (g)	50.26
Customs tariff number	85369010
Country of Origin	DE

Electrical parameters

Rated voltage	600 V
Rated impulse voltage	6000 V
Rated current	32.0 A
Insulation resistance	> 10^8 Ω
Pollution degree	3
Overvoltage category	III
Insulating material group	I
EMC compliance	unshielded

Material

Housing material	PA
Contact body material	PA
Contact plating	depending on crimp contact (accessory)
REACH SVHC	None (No pollutants)

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SCIP number	SCIP-number not available

Authorization/approvals

Approvals	UL 2238, VDE

Classifications

eCl@ss 11.1	27-44-01-09
ETIM 9.0	EC003569

Assembly instructions

1. *Strip single wires to L = Y mm.*
2. *Crimp contacts to wires.* *
3. *Press crimped contacts into contact carrier until they snap into place.*

3.1. *Alternatively when using the single wire seal:* **
Pierce through the needed sections of the single wire sealings with a pointed device or tool and then raise them over the contacts. Then press contacts into the contact carrier, lay the single wire sealings flat onto the contact carrier, press pressure ring to stop and finally fix it with the pressing screw.

4. *Push the pressing screw over the bundle of single wires and fix it afterwards by screwing. (recommended torque 1.0 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*

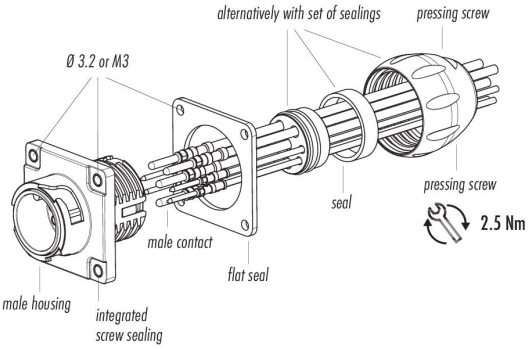
Ordering-No.	*0.14 - 4 mm²*	*66 0003 001*
Ordering-No.	*1.5 - 6 mm²*	*66 0005 000*

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*

**

Wire-Ø	*8 contacts*		*5 contacts*
	Power	*Signal*	*Power*
min.	Ø 2.6 mm	Ø 1.7 mm	Ø 3.7 mm
max.	Ø 3.9 mm	Ø 2.7 mm	Ø 4.9 mm



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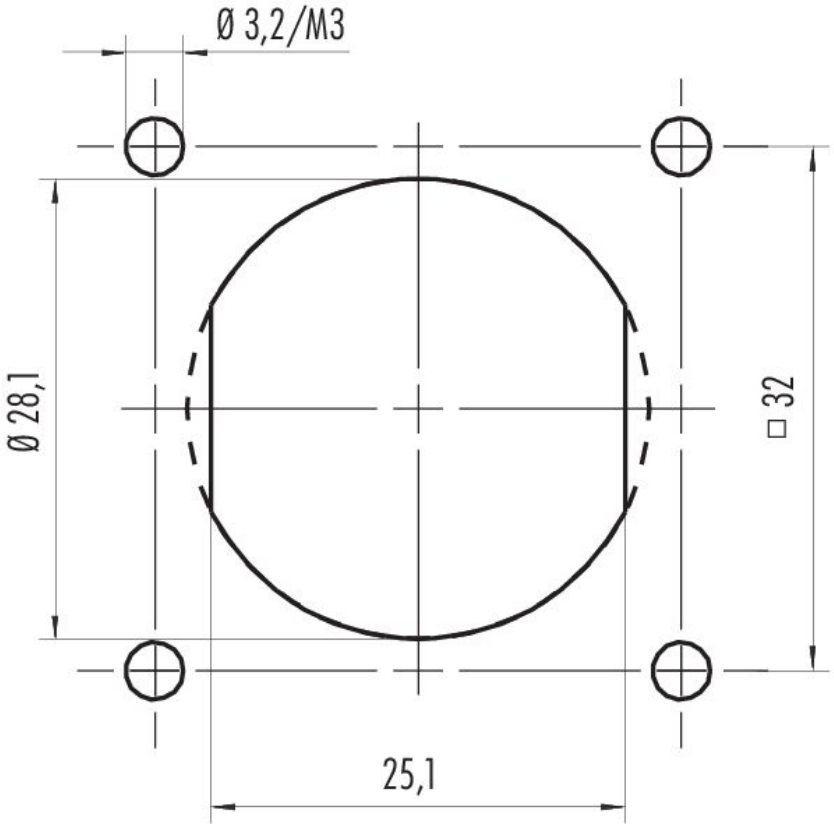
Assembly instructions / Panel cut-out



Alternative mit Abflachung
Alternative with flattening

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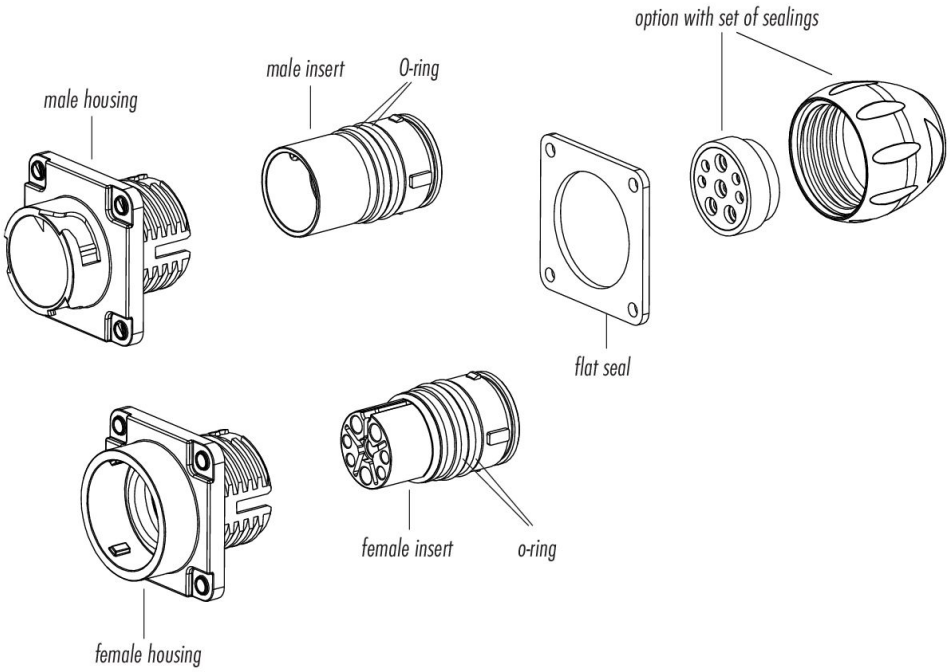
Component part drawing



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General Disclaim Notice

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.

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".