

Product data sheet

Power connectors

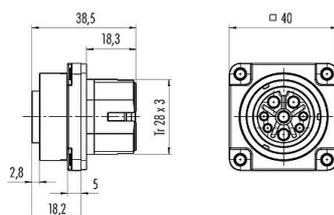


| | |
|---------------------|---|
| Product description | Bayonet Female panel mount connector, Contacts: 4+3+PE, unshielded, crimping (Crimp contacts must be ordered separately), IP68/IP69K, UL 2238, VDE, Front mounting |
| Area | Bayonet HEC |
| Series | 696 |
| Part no. | 09 6504 000 08 |

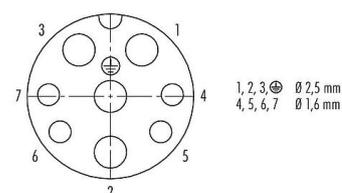
Illustration



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 6504 000 08 |
| 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 | 0.14-2.50 mm ² / AWG 26-14 |
| Temperature range from/to | -40 °C / 100 °C |
| Mechanical operation | > 1000 Mating cycles |
| Weight (g) | 29.50 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

Electrical parameters

| | |
|---------------------------|---|
| Rated voltage | Power: 400 V, Signal: 60 V |
| Rated impulse voltage | 1000 V |
| Rated current | 3 A Signal / 25 A Power (20 A UL; 16 A CSA) |
| 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 material | depending on crimp contact (accessory) |



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

Authorization/approvals

| | |
|-----------|--------------|
| Approvals | UL 2238, VDE |
|-----------|--------------|

Classifications

| | |
|-------------|-------------|
| eCl@ss 11.1 | 27-44-01-09 |
| 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.

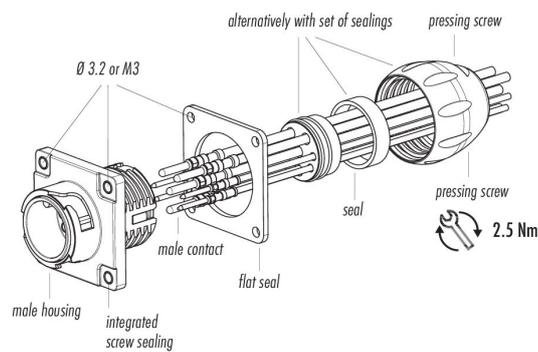
* Crimping tool

| | | |
|--------------|--------------------------|-------------|
| Ordering-No. | 0.14 - 4 mm ² | 66 0003 001 |
| Ordering-No. | 1.5 - 6 mm ² | 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 |

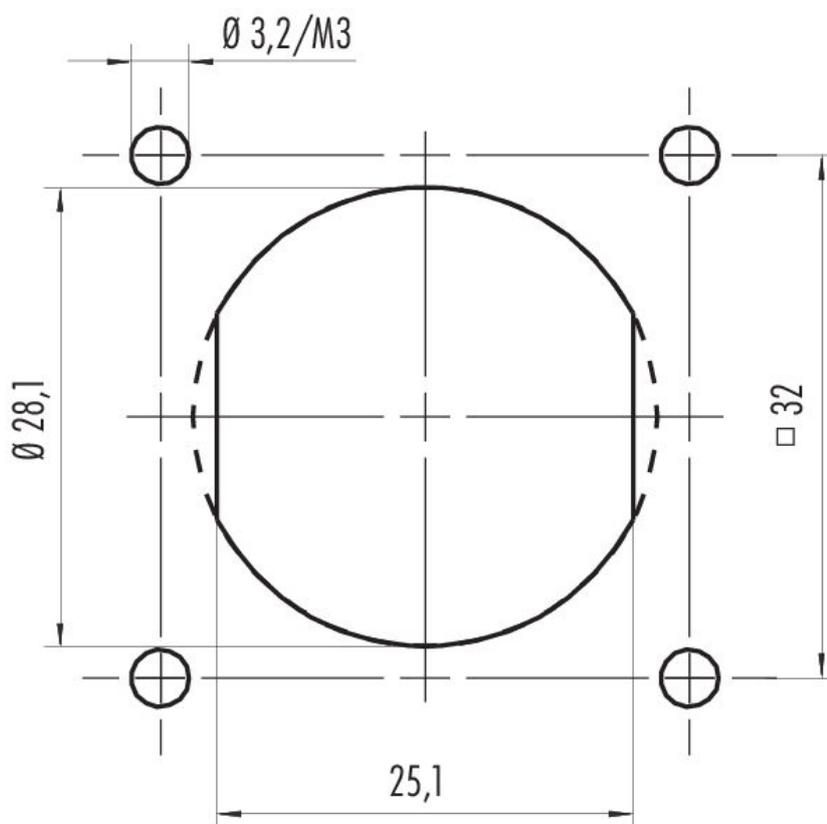
| Wire-Ø | 8 contacts | | 5 contacts |
|--------|------------|----------|------------|
| | Power | Signal | Power |
| min. | Ø 2.6 mm | Ø 1.7 mm | Ø 3.7 mm |
| max. | Ø 3.9 mm | Ø 2.7 mm | Ø 4.9 mm |



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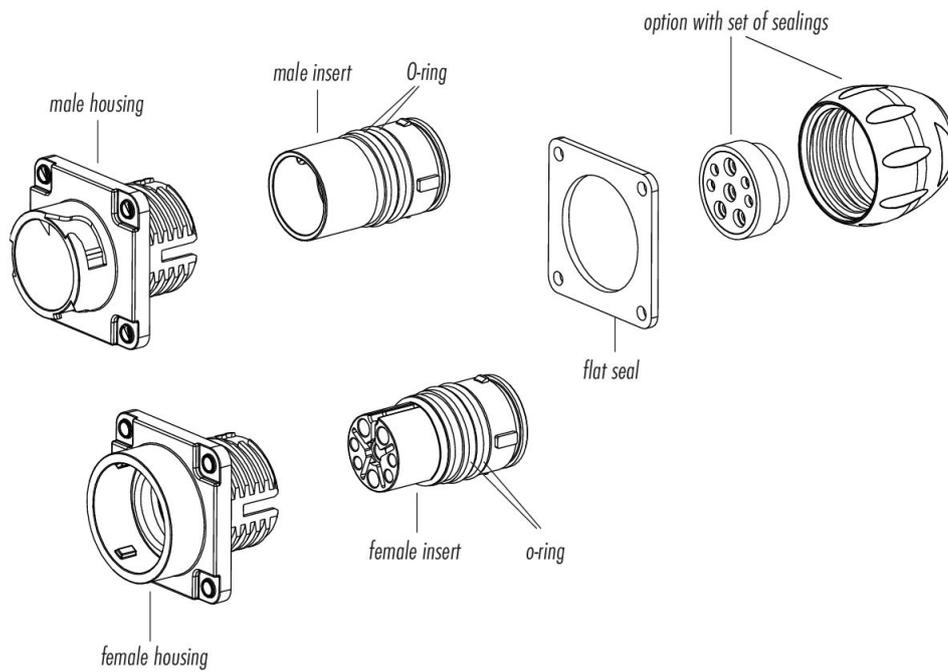
Assembly instructions / Panel cut-out



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".