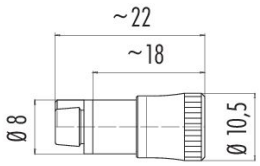
# Product data sheet
## Subminiature connectors

| | |
|---|---|
| Product description | **Snap-In Female cable connector, Contacts: 3, 2.5-4.0 mm, unshielded, solder, IP40** |
| Area | **series 719** |
| Part no. | **09 9748 70 03** |

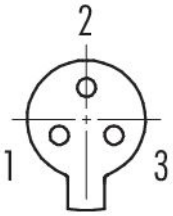
### Illustration



### Scale drawing




### Contact arrangement (Plug-in side)




**You can find the assembly instructions on the next page.**

## Technical data

### General features

| | |
|---|---|
| Part no. | 09 9748 70 03 |
| Connector design | Female cable connector |
| Version | Connector socket straight |
| Connector locking system | snap-in |
| Termination | solder |
| Degree of protection | IP40 |
| Connection cross-section | 0.25 mm² / AWG 24 |
| Cable outlet | 2.5-4.0 mm |
| Temperature range from/to | -25 °C / 70 °C |
| Mechanical operation | > 100 Mating cycles |
| Weight (g) | 1.26 |
| Customs tariff number | 85369010 |
| Country of Origin | DE |

### Electrical parameters

| | |
|---|---|
| Rated voltage | 60 V |
| Rated impulse voltage | 800 V |
| Rated current | 3,0 A |
| Insulation resistance | ≥ $10^{10}$ Ω |
| Pollution degree | 1 |
| Overvoltage category | II |
| Insulating material group | III |

**Product data sheet**

# Subminiature connectors

| | |
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| Product description | **Snap-In Female cable connector, Contacts: 3, 2.5-4.0 mm, unshielded, solder, IP40** |
| Area | **series 719** |
| Part no. | **09 9748 70 03** |

| | |
|---|---|
| EMC compliance | unshielded |

## Material

| | |
|---|---|
| Housing material | PA |
| Contact body material | PA |
| Contact material | CuSn (bronze) |
| Contact plating | Au (gold) |
| REACH SVHC | CAS 7439-92-1 (Lead) |
| SCIP number | d619768e-2a36-4cd0-b990-fb226835819d |

## Classifications

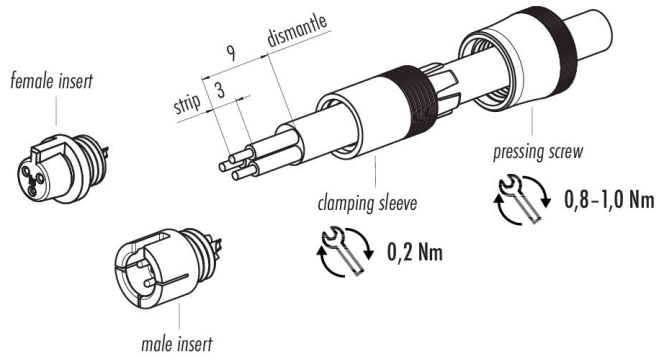
| | |
|---|---|
| eCl@ss 11.1 | 27-44-01-09 |
| ETIM 9.0 | EC003569 |

## Declarations of conformity

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

## Assembly instructions

1. Bead pressing screw and clamping sleeve to cable.
2. Dismantle cable to 9 mm length.
3. Strip and solder single wires.
4. Screw on clamping sleeve.
5. Tighten pressing screw.




Date: 08.07.2025

**Product data sheet**
# Subminiature connectors

| | |
|---|---|
| Product description | **Snap-In Female cable connector, Contacts: 3, 2.5-4.0 mm, unshielded, solder, IP40** |
| Area | **series 719** |
| Part no. | **09 9748 70 03** |

## 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.

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

# DECLARATION FROM THE MANUFACTURER

**For part no.: 09 9748 70 03** **08/07/2025**

**With regard to the**

**Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.**

With the REACH regulation, the EU has created a uniform system for the Registration, Evaluation, Authorisation and restriction of CHemicals – or REACH. The purpose of this regulation is to ensure a high level of protection of human health and the environment.

Franz Binder GmbH & Co. Elektrische Bauelemente KG hereby confirms that it acts as a downstream user (producer of products) according to the aforementioned regulation.

We obtain all raw materials and/or preparations, from which the connectors are made, from suppliers who have already registered or pre-registered all substances, including those present in the preparations. The products supplied by the company are not subject to registration.

With regard to Article 33(1) of the REACH regulation, Franz Binder GmbH & Co. Elektrische Bauelemente KG complies with its information obligations:

An up-to-date candidate list (candidate list of substances of very high concern for authorisation, as of 25/06/2025 see: https://echa.europa.eu/de/candidate-list-table) in accordance with Article 59 (1, 10) of the regulation (EC) No 1907/2006 (REACH) has been published.
The aforementioned article includes the following substances from the up-to-date candidate list in concentrations of more than 0,1 percent by mass:

- CAS 7439-92-1 (Lead)

Please refer any questions to our Product Compliance Team:

Product-Compliance@binder-connector.de

Franz Binder GmbH & Co.
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www.binder-connector.com

# DECLARATION FROM THE MANUFACTURER

**For part no.: 09 9748 70 03** **08/07/2025**

**With regard to the**

**COMMISSION DELEGATED DIRECTIVE (EU) 2015/863**
**of 31 March 2015**
**amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances**

Directive 2011/65/EU stipulates provisions on the restriction of the use of hazardous substances in electrical and electronic equipment (EEE) with a view to contributing to the protection of human health and the environment, including the environmentally sound recovery and disposal of EEE waste.

ANNEX II
Restricted substances referred to in Article 4(1) and maximum concentration values tolerated by weight in homogeneous materials

Lead (0,1%) mercury (0,1%) cadmium (0,01%) hexavalent chromium (0,1%) polybrominated biphenyls (PBB) (0,1%) polybrominated diphenyl ethers (PBDE) (0,1%) bis(2-ethylhexyl) phthalate (DEHP) (0,1%) butyl benzyl phthalate (BBP) (0,1%) dibutyl phthalate (DBP) (0,1%) diisobutyl phthalate (DIBP) (0,1%)

Franz Binder GmbH & Co. Elektrische Bauelemente KG hereby confirms that it complies with all standard articles of the aforementioned Directive. Our products do not contain any of the specified prohibited substances above the maximum permitted concentrations specified therein, taking into account the exemptions in Annex III of Directive 2011/65/EU.

- Complies with RoHS III with exemption 6c

Please refer any questions to our Product Compliance Team:

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# MANUFACTURER'S DECLARATION

**For part no.: 09 9748 70 03** **08/07/2025**

**with regard to**

**Declaration of compliance with China RoHS – Components**

We herewith declare the compliance of this product with the Chinese marking requirements.
This product can be recycled and used safely during its environmentally friendly use period of 50 years. These articles will be sold as components only for manufacturing. According to the Electronic Industry Standard SJ/T 11364-2014 it needs not to be marked with Environmentally Friendly Use Period (EFUP) label. This product should be recycled after its environmental protection use period has expired because it may contain substances or elements as shown in the following table:

| | Hazardous Substance | | | | | |
|---|---|---|---|---|---|---|
| Part Name | Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Hexavalent Chromium (Cr(VI)) | Polybrominated biphenyls (PBB) | Polybrominated diphenyl ethers (PBDE) |
| Connectors | X | O | O | O | O | O |

This table is prepared in accordance with the provisions of SJ/T 11364.

O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB/T 26572

X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB/T 26572

The table shows where these substances may be found in this Electrical and Electronic Product.

Please refer any questions to our Product Compliance Team:

Product-Compliance@binder-connector.de

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# EU DECLARATION OF CONFORMITY

| | |
|---|---|
| Manufacturer | **Franz Binder GmbH & Co.<br>Elektrische Bauelemente KG<br>Rötelstraße 27<br>D-74172 Neckarsulm** |
| Part no. | **09 9748 70 03** |
| Product | |
| Series | **series 719** |

This product complies with the requirements of the following European Directive:
Directive 2014/35/EU of the European Parliament and of the council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (recast).
The following harmonized standards have been applied for conformity assessment:

EN 60529:1991 | 2014/35/EU;EN 60204-1:2018 *)

*) This standard is currently not harmonized

References to standards apply to references to their amendments, if these amendments are listed to the respective directives in the Official Journal of the European Union.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Neckarsulm, 2025-03-05

i.A. Soner Cakar
Product Compliance Manager

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# UKCA DECLARATION OF CONFORMITY

| | |
|---|---|
| Manufacturer | **Franz Binder GmbH & Co.**<br>**Elektrische Bauelemente KG**<br>**Rötelstraße 27**<br>**D-74172 Neckarsulm** |
| Object of the declaration | **Connector (COC)** |
| Product | **09 9748 70 03** |

The object of the declaration described above is in conformity with the relevant UK-Regulations and UK-Guidelines:

**The Electrical Equipment (Safety) Regulations 2016**
STATUTORY INSTRUMENTS
2016 No. 1101
CONSUMER PROTECTION
HEALTH AND SAFETY

References of standards and/ or technical specifications applied for this declaration of conformity, or parts thereof:

**2016 No. 1101:** **EN 61984:2009** *)

*) This standard is currently not listed in the assigned directive.

This declaration is issued under the sole responsibility of the manufacturer.

Neckarsulm, 2025-03-05

i.A. Soner Cakar
Product Compliance Manager

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