Product data sheet
Subminiature connectors

Product description
M9 IP67 female cable connector. Contacts: 5, shielded, moulded on cable, IP67, PUR black, 5 x 0.25 mm²

Area
M9 IP67 series 702
Order number
79 1414 12 05

Illustration
Scale drawing
Contact arrangement (Plug-in side)

Technical data

General features
Order number
79 1414 12 05
Connector design
female cable connector
Version
connector female straight
Connector locking system
screw
Termination
moulded on cable
Degree of protection
IP67
Cross-sectional area
0.25 mm² / AWG 24
Temperature range from/to
-25 °C / 70 °C
Mechanical operation
> 500 Mating cycles
Weight (g)
96
Customs tariff number
85444290

Electrical parameters
Rated voltage
125 V
Rated impulse voltage
1500 V
Rated current (40 °C)
3 A
Insulation resistance
≥ 10¹⁰ Ω
Pollution degree
1
Overvoltage category
II
Insulating material group
III
EMC compliance
shielded

Material
Housing material
PUR
Contact body material
PBT (UL94 V-0)
Contact material
CuSn (bronze)
Contact plating
Au (gold)
Locking material
CuZn (Brass nickel plated)
REACH SVHC
CAS 7439-92-1 (Lead)

Cable data
Cable length
2 m
Sheath material
PUR
Single-lead insulation
PVC
Halogen free
No
Cable color
black
Cable diameter
5.3 mm
Single-lead structure
14 x 0.15 mm mm
Conductor resistance
75Ω/Km
Temperature range cable in move from/to
-40°C / +80°C
Temperature range cable fixed from/to
-30°C / +80°C
Bending radius, fixed cable
≥ 7.5 x Ø
Bending radius, moving cable
≥ 15 x Ø

Declarations of conformity
Low Voltage Directive
2014/35/EU (EN 60204-1:2018;EN 60529:1991)
RoHS Directive
2011/65/EU (EN 50581:2012)
Product data sheet
Subminiature connectors

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


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 25/06/2020 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
DECLARATION FROM THE MANUFACTURER

For part no.: 79 1414 12 05 07/10/2020

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 exceptions in Annex III of Directive 2011/65/EU.

- Complies with RoHS III with exception 6c

Please refer any questions to our Product Compliance Team:

Product-Compliance@binder-connector.de
MANUFACTURER’S DECLARATION

For part no.: 79 1414 12 05 07/10/2020

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:

<table>
<thead>
<tr>
<th>Hazardous Substance</th>
<th>Lead (Pb)</th>
<th>Mercury (Hg)</th>
<th>Cadmium (Cd)</th>
<th>Hexavalent Chromium (Cr(VI))</th>
<th>Polybrominated diphenyl ethers (PBDE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Name</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Connectors</td>
<td>X</td>
<td>O</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

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
EU DECLARATION OF CONFORMITY

<table>
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<tr>
<th>Manufacturer</th>
<th>Franz Binder GmbH &amp; Co. Elektrische Bauelemente KG Rötelstraße 27 D-74172 Neckarsulm</th>
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This product complies with the requirements of the following European Directive:
The following harmonized standards have been applied for conformity assessment:

EN 60204-1:2018;EN 60529:1991

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, 2017-09-20

Peter Schall

Peter Schall, vice president
EU DECLARATION OF CONFORMITY

| Manufacturer       | Franz Binder GmbH & Co.  
|                   | Elektrische Bauelemente KG  
|                   | Rötelstraße 27  
|                   | D-74172 Neckarsulm  
| Order number      | 79 1414 12 05  
| Product           | M9 IP67 female cable connector, Contacts: 5, shielded, moulded on cable, IP67, PUR black, 5 x 0.25 mm²  
| Series            | M9 IP67 series 702  

This declaration of conformity is issued under the sole responsibility of the manufacturer. The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast). The following harmonized standards have been applied for conformity assessment:

EN 50581:2012

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.

Neckarsulm, 2017-09-20

Peter Schall
Peter Schall, vice president