Multi-plug/Multi-socket
KSV/KDVF

Instructions | Operating
8085417
2018-03b
[8085422]

Translation of the original instructions

1 About this document
1.1 Further applicable documents
   ➔ All available documents for the product ➔ www.festo.com/pk.

2 Safety instructions
   – Only use the product if it is in perfect technical condition.
   – Take into consideration the ambient conditions at the location of use.
   – Prior to mounting, installation and maintenance work: Switch off compressed air supply and secure it from being switched back on.
   – Only use media in accordance with the specifications ➔ Technical data.

2.1 Intended use
The field-wired connection is intended for use as a control cabinet output for up to 32 pneumatic connections.

2.2 Training of skilled personnel
Only skilled personnel may carry out installation, commissioning, maintenance and disassembly of the product. The skilled personnel must be familiar with the installation of pneumatic control systems.

3 Additional information

4 Service
Contact your regional Festo contact person if you have technical questions ➔ www.festo.com.

5 Product overview
5.1 Function
The product makes it possible to connect and disconnect a tubing bundle (pneumatic lines) using field-wired barbed fittings and matching sockets.

5.2 Product design
The product comprises a multi-plug KSV and a multi-socket KDVF.
Barbed fittings are fitted within the multi-plug and sockets are fitted within the multi-socket. Each pair thus forms a pneumatic connection. The slots are numbered. The connection pairs are assigned to one another non-interchangeably during coupling by a guide lug.
The multi-socket has a flange for mounting on the assembly surface of a through opening. The multi-plug is pushed together with and secured to the multi-socket using a union nut.
The housing of the multi-plug comprises 2 half-shells for retaining a protective conduit. An additional inner sleeve provides strain relief for the tubing and protects against damage.

Multi-socket KDVF

Fig. 1

Multi-plug KSV

Fig. 2

6 Mounting
6.1 Preassembly
Preparation of plug insert
   – Place plug insert 5 of the multi-plug on the outer ring as base, ensuring the opening for the press-fitted barbed fitting is left free. Height of base: 15 mm

Fit the barbed fittings/sockets
1. Grease the snap-in edge of the barbed fitting 10/socket 2 before assembly.
2. Always insert the barbed fittings/sockets from the edge to the centre.
3. Press the barbed fitting/socket in slowly. Sudden stress will damage the multi-plug/multi-socket. ➔ The barbed fittings/sockets have been fitted correctly if the collar 11 has in each case snapped in through the bezel hole 12.
4. After pressing in all the barbed fittings/sockets: Route corresponding pneumatic lines through the inner sleeve 8 and a protective conduit and push onto the matching barbed fittings/sockets.

Fig. 3

Barbed fittings/sockets not included in the delivery.

6.2 Final assembly
Assembling the multi-plug
1. Screw the protective conduit onto the inner sleeve 8 as far as the flanged edge.
2. Push the union nut 11 onto the preassembled plug insert 5.
3. Press the protective conduit with inner sleeve into one housing half 7 of the multi-plug. Pay attention to the position of the flanged edge as you do so.
4. Position the plug insert 5 in the housing half. Pay attention to the recess in the annular land 6 as you do so.
5. Place the second housing half on top and fasten using socket head screws 9.

Before coupling the multi-plug to the multi-socket: coat the male thread of the multi-socket with lubricant.

7 Repair
Send the product to the Festo repair service for repair.
Send the packaging and product for environmentally sound recycling in accordance with the current regulations ➔ www.festo.com/sp.

### 9 Technical data

<table>
<thead>
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<th>KSV/KDVF</th>
<th>-5</th>
<th>-8</th>
<th>-16-B</th>
<th>-32-B</th>
<th>6-7</th>
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<td>22</td>
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<td>5.3 (PK-6)</td>
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1) Pay attention to application range of the tubing.

Tab. 1 Technical data