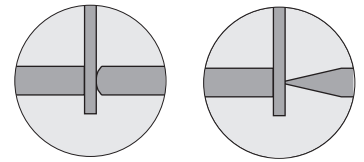


1.3 Single components for automation and testing technology

Special module of the LKV-12 model series



Pneumatic bonding for small single lines with an outer diameter of 1.2 – 3 mm.

Also suitable for needle bonding with not bared lines.

Function

The contact is made by inserting the line into the bonding outlet. The process is triggered by a control tappet which will be pressed down approx. 1 mm by the conductor. Bonding takes place using a clamping piston or using a needle for not bared conductors. So, the connection is made between conductor and bonding module. (bonding point approx. 2mm from conductor end). Bonding is opened by interrupting the air supply using the bonding module opening button, a magnetic valve, the air-operated button, switch, etc.

Order data

To ensure safe bonding of the conductor, the bonding outlet of the guide sleeve has to be adjusted to the conductor outer diameter. Indicate the conductor diameter (0.1 mm precision). We adjust the guide sleeve so that the conductor can be inserted easily and safe bonding is also ensured.

Technical features

- Quick and exact establishment of bonding
- Possibility of correction using the LKV opening button in case of wrong assignment
- Simultaneous release of all connections
- Suitable for transfer of small currents/voltages
- Easy assembly

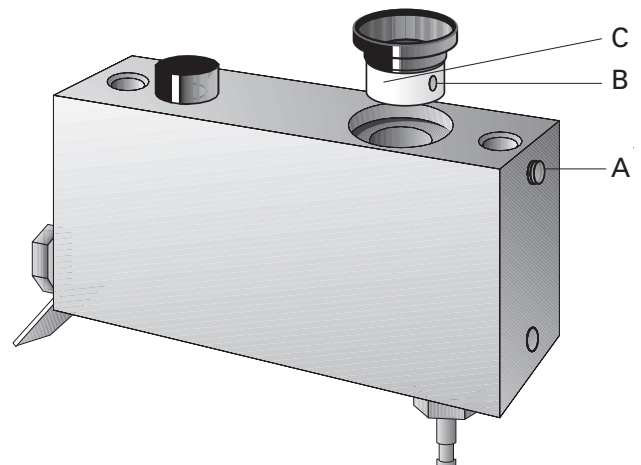
Technical data

- Compressed air supply, filtered and dry air ~ 6 bar
- Air plug, 3 mm hose diameter
(for other plugs, refer to standard modules)
- Electrical connection with flat-blade connection 6.3 x 0.8 mm
- Operating force 0,8 – 1,0 N
- Clamping force 15 – 20 N
- Dimension 60 x 25 x 12 mm

Note for version with needle contact:

We endeavour to obtain a contact resistance between needle and flat plug of <10 ohms. A precise definition is possible only after knowledge of the line structure of the single conductor to be tested.

Please take note of our special accessories such as pneum. central opener, compressed air distributor.



- A Locking screw
- B Locking hole
- C Guide sleeve