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Assembly instruction
for OVERCONN solenoid valve connectors Form B
– DIN 43650 / EN 175301-803

This technical documentation is valid for the following Hafner typnumbers:
ST22M, ST22E1N, ST222V24.

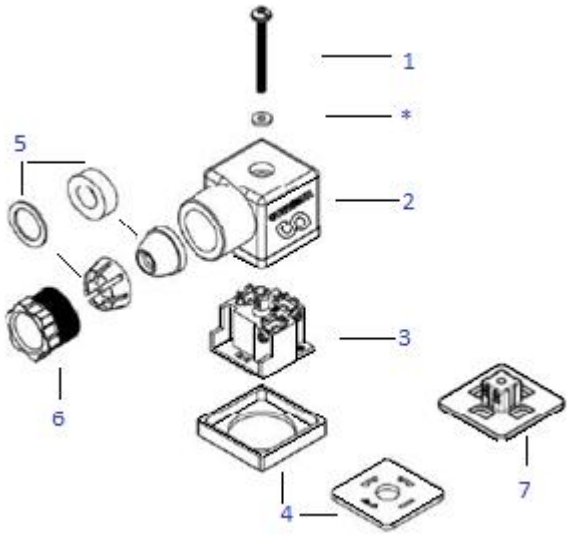
1. SAFETY WARNINGS

- Always disconnect power before performing wiring or maintenance activities.
- Electrical work must be performed only by qualified personnel.
- Ensure full compliance with applicable electrical standards (e.g. IEC/EN 60204-1).
- Use proper PPE and ensure safe working conditions.

2. PRODUCT DESCRIPTION

Connectors compliant with DIN 43650 / EN 175301-803 are used to supply solenoid valves, coils, actuators and industrial sensors.

3. CONNECTOR COMPONENTS



1. Fixing screw
2. Cover with central fixing screw hole
3. Insert with screw terminal block
4. Sealing gaskets (profile and flat type)

5. Cable gland strain-relief system
6. Cable gland sealing gasket
7. Embedded gasket

* O-ring (for fixing screw)

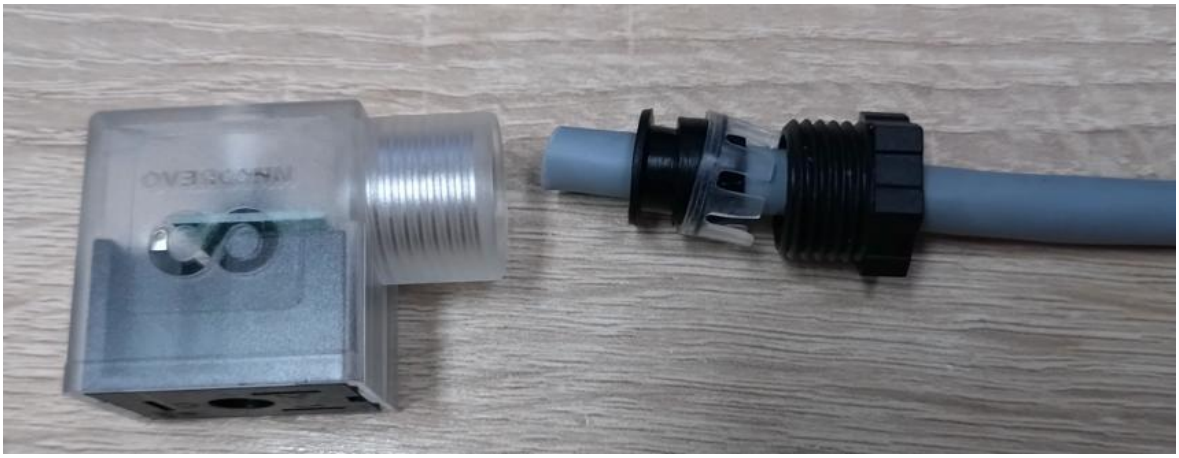
The sealing kit consists of **two inserts**, each serving a different purpose depending on the cable diameter.

🔧 How to Use the Inserts Correctly

1. **Main Insert (Part 1)**
   – This is the standard insert and should be used **in all cases**.
   – It normally covers the **6–8 mm** cable range.

2. **Additional Insert (Part 2)**
   – This is meant only for **smaller cable diameters**, when the main insert alone cannot clamp the cable properly.
   – It should therefore be used **only** when the cable is too thin and the main insert does not tighten sufficiently.

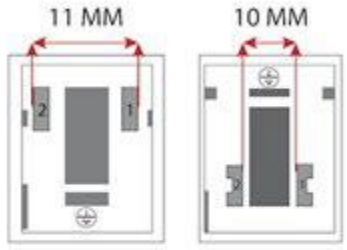
The rubber insert(s) must be positioned **before** the plastic clamping part of the gland.



🛠 4. REQUIRED TOOLS

-Screwdriver
-Wire stripper
-Multimeter

🔌 5. TERMINAL IDENTIFICATION



B

•Terminal 1: L / +
•Terminal 2: N / –
• ⏚: Earth / Protective Earth

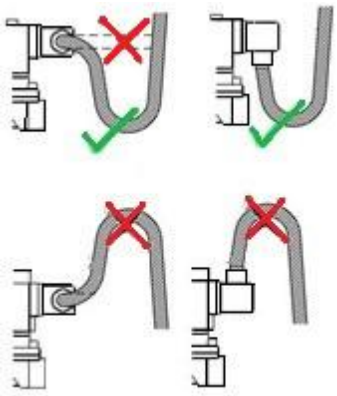
🧷 6. WIRING PROCEDURE

1. Disconnect power.
2. Open the connector.
3. Strip conductors (5–6 mm).
4. Connect wires.
5. Tighten terminals.
6. Install gasket and cable gland.
7. Reassemble.
8. Perform functional test.

7. TORQUE SETTINGS

-Strain relief: 1.8 Nm ±10%
-Central screw: 0.4 Nm ±10%
-Terminal screws: 0.2 Nm ±10%

↕ CORRECT ORIENTATION



-Cable entry downward
-Drip loop
-Avoid upward entry

9. TROUBLESHOOTING

-Polarity check
-No short circuits
-Measure voltage
-Moisture check
-Cable gland tightening

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