

Resistance Temperature Detector model 2

RTD with protection tube model 2 according or similar to DIN 43772

In general

The temperature sensors manufactured by Reckmann GmbH (R58®) are solely intended for the measurement of process temperatures in solid, liquid and gaseous media. By using a movable gas tight screw socket or a compression fitting, this design allows a variable installation length.

Application area:

Autoclave, machine and plant engineering, chemicals and food industry, power plant technology, industry of building materials, recycling air conditioning technology.

For installation please see our operating instructions for resistance temperature detectors (RTD).

Stock-number-code: 1R15-B0.

Technical datas

- **Connection head** (fig. 1/1) according to DIN EN 50446.
Standard connection heads: Form B-G12, B-KL, B-VA, BA-KL, BA-KLH, B-KUKL, B-KUHKL. Dimension see page 2.
on request: possible with appropriate cable connection and silicon seal similar IP 67
- **Protection shell** (fig. 1/3 bis 4) according or similar to DIN 43772.
Standard material 1.4571.
Standard diameter: 9 or 11 mm.
- **Process connection** via sliding screw socket or compression fitting, standard thread: G1/2".
- **Measuring insert** (fig.1/2) replaceable according to DIN 43735.
Sensor depending on use:
thin film or ceramic according to IEC / EN 60751, standard in 1 x 3-, 1 x 4-, 2 x 3-, oder 2 x 4 wire circuit.
Recommended operating temperature on the measuring tip depended on accuracy class according to IEC / EN 60751
Operationing temperature PT100
- 50°C up to + 500°C for thin film sensors,
- 200°C up to + 600°C for ceramic sensors,
- 200°C up to + 450°C for glass sensors.
Sheath material according to IEC / EN 61515.
Standard material 1.4404,
Standard diameter 3 or 6 mm.
- **Optional** on request other materials, diameter or wit transmitter

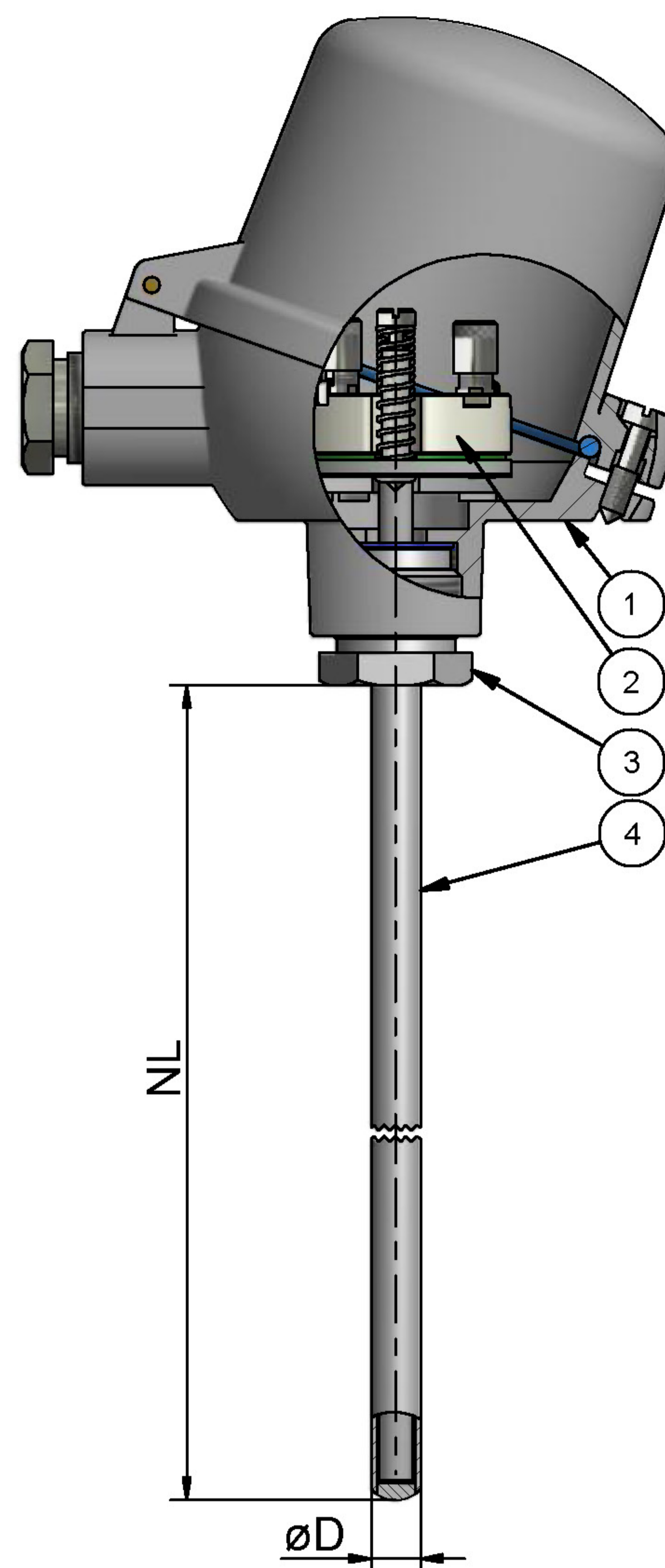
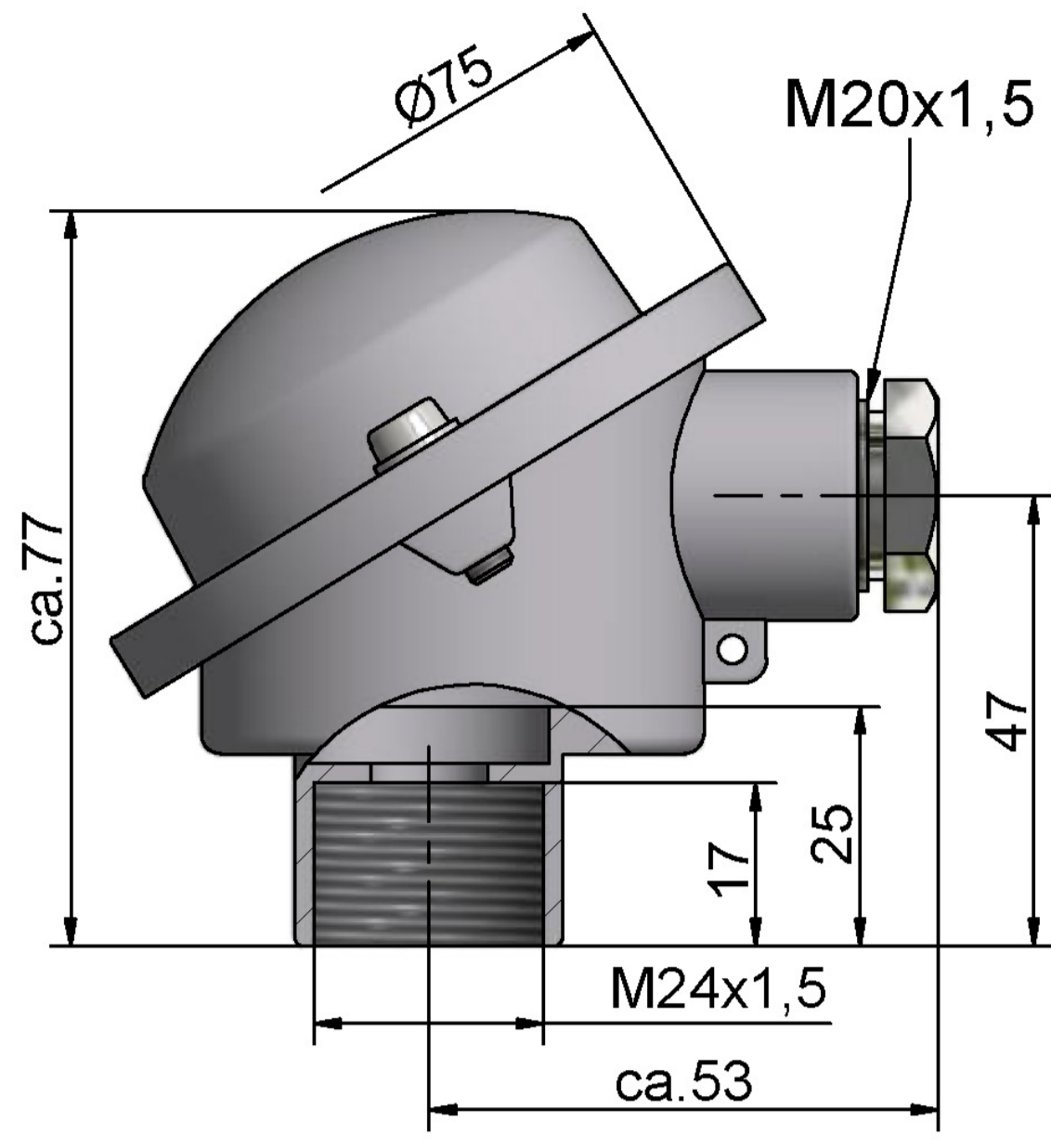


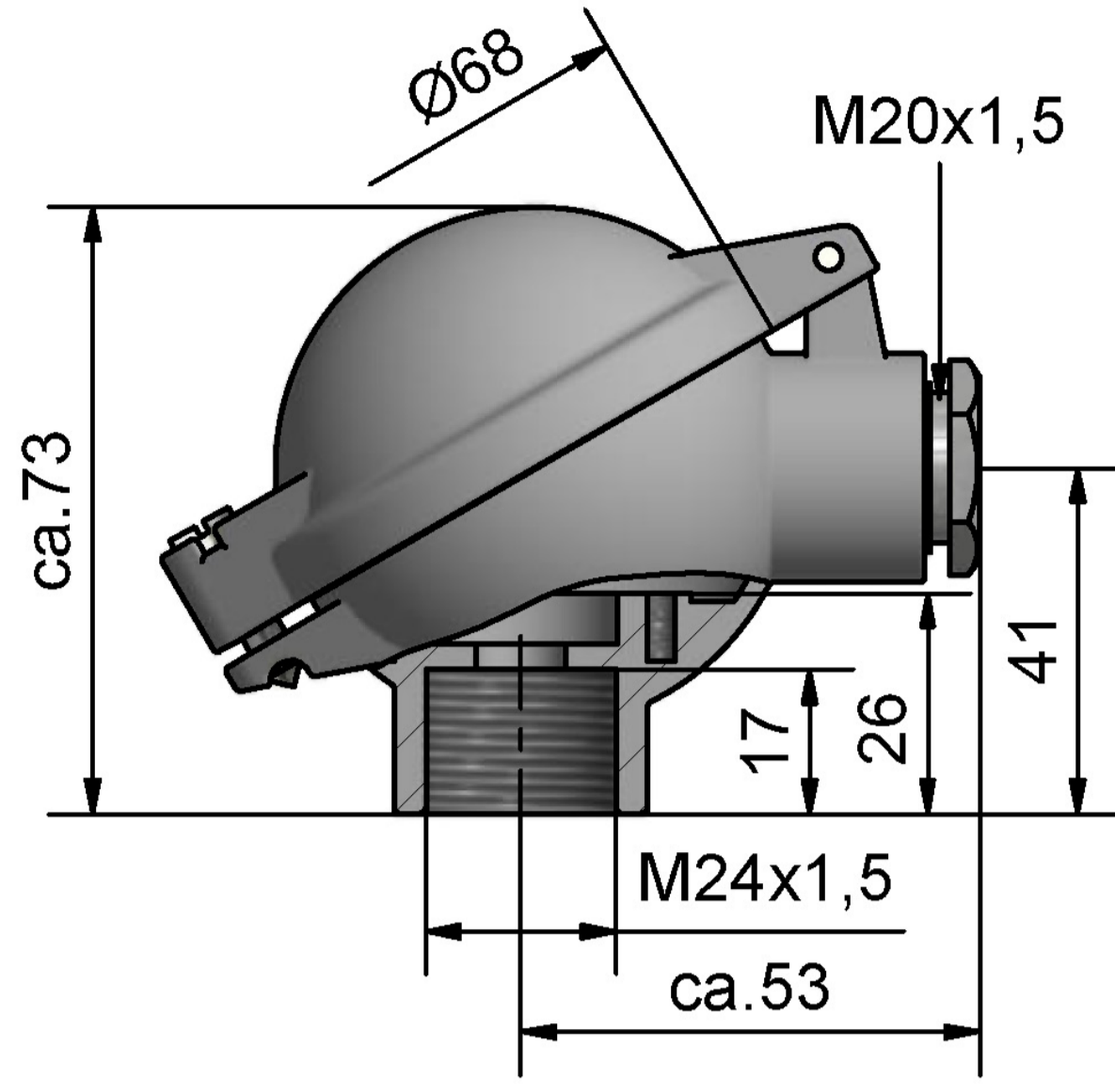
fig. 1

Optional connecting heads / circuit diagram

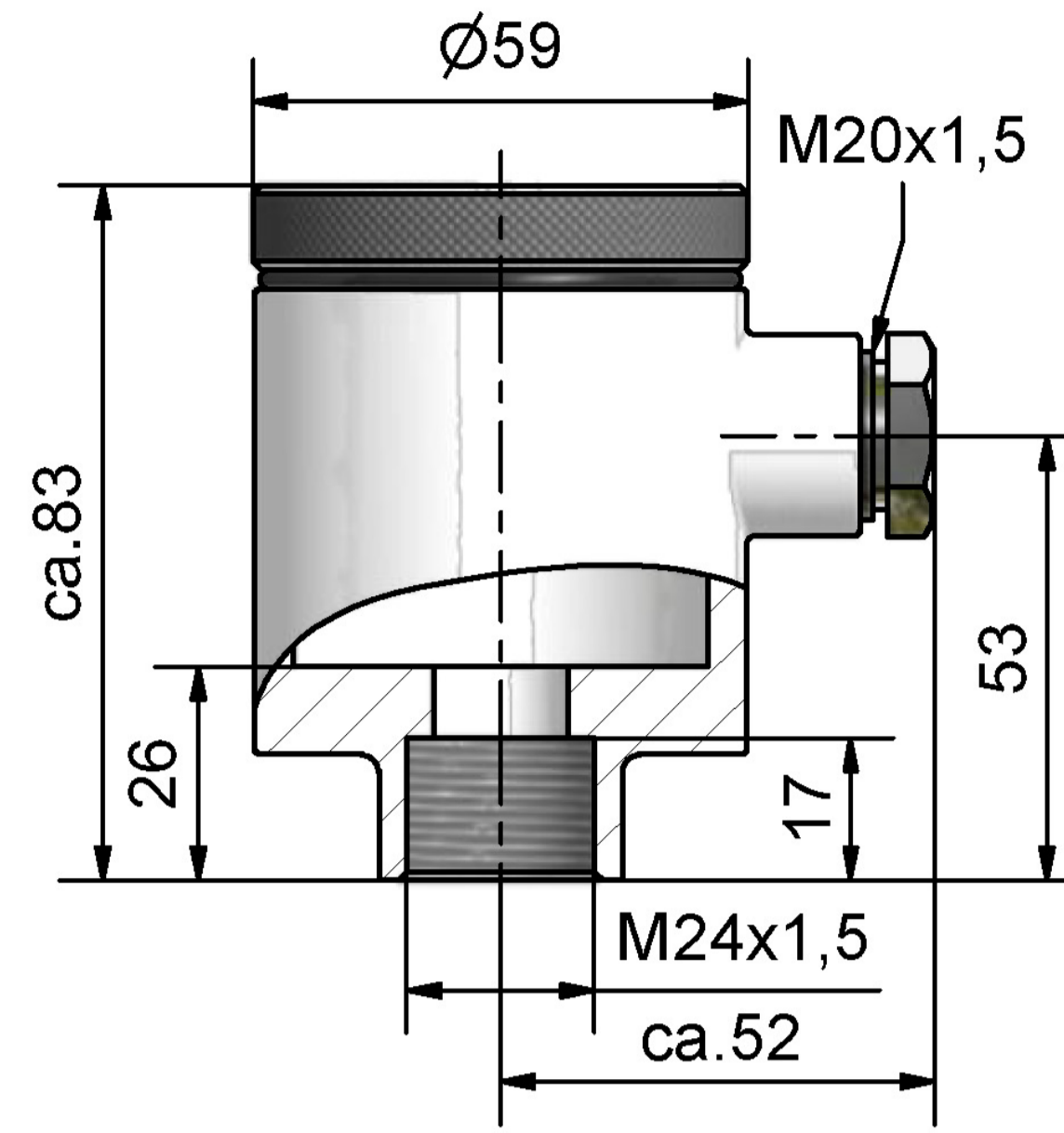
Alternative to the cable gland a M12 insert plug connector is possible.



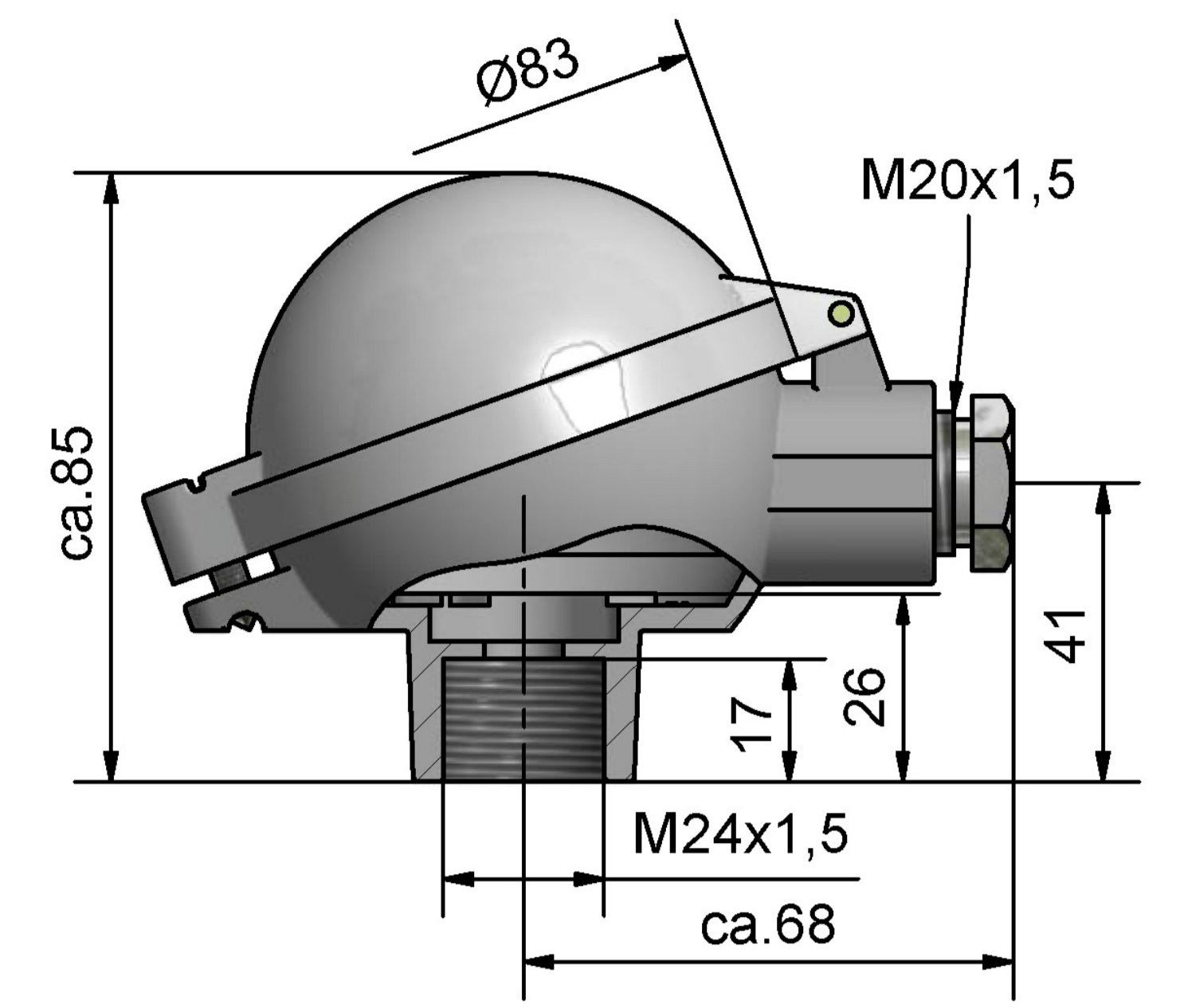
connection head model B-G12
M24 x 1,5



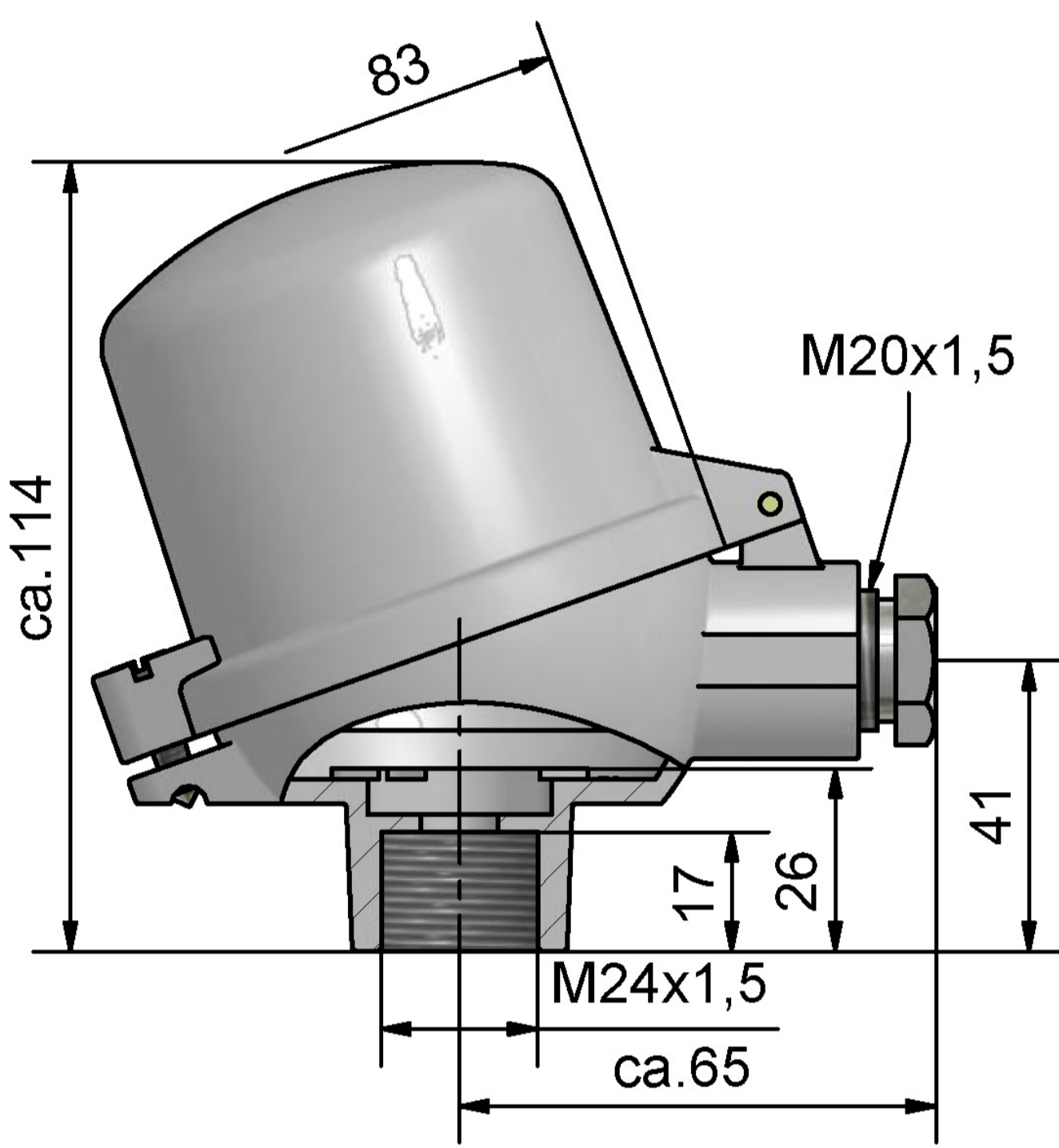
connection head model B-KL
M24 x 1,5



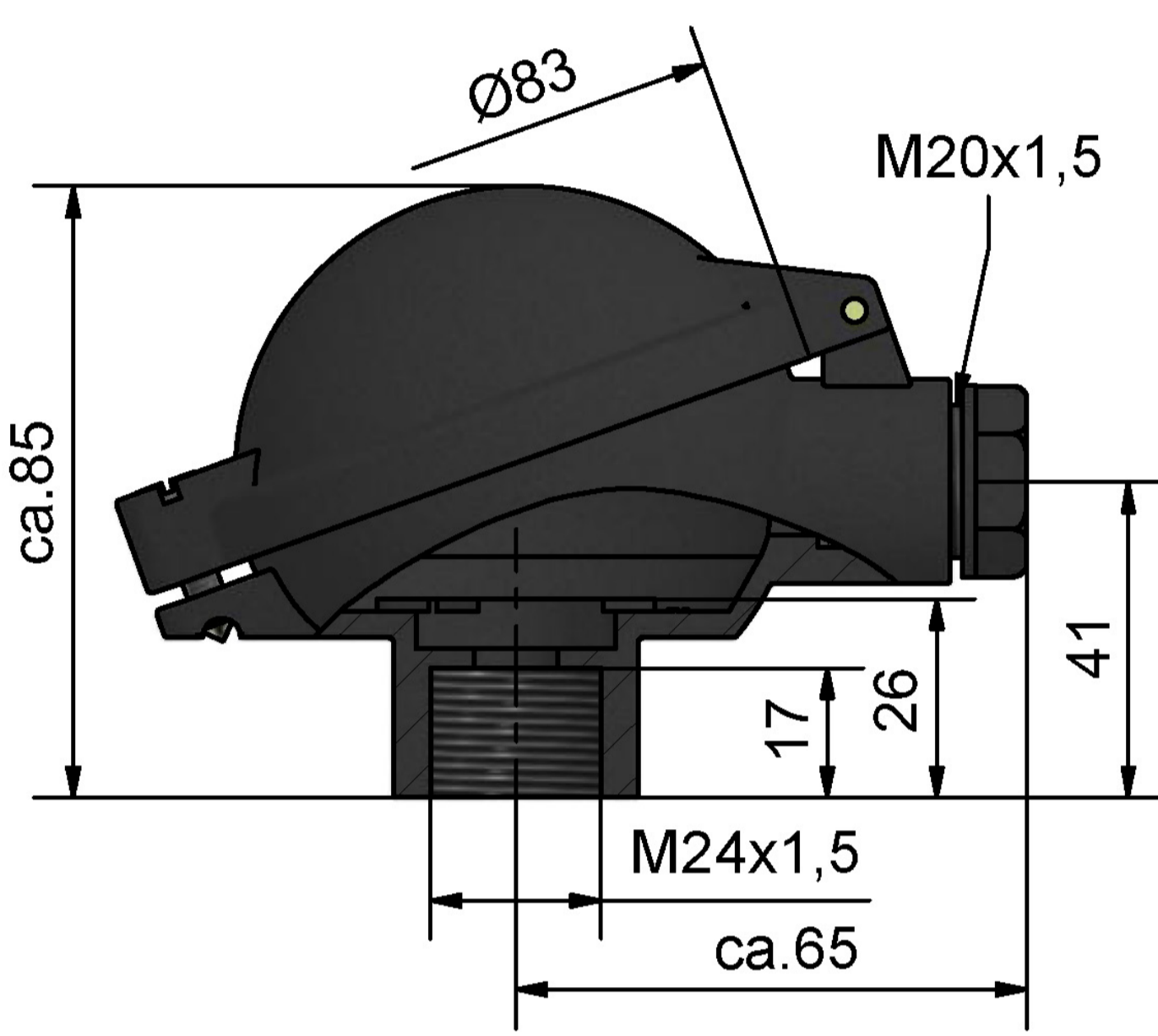
connection head model B-VA
M24 x 1,5



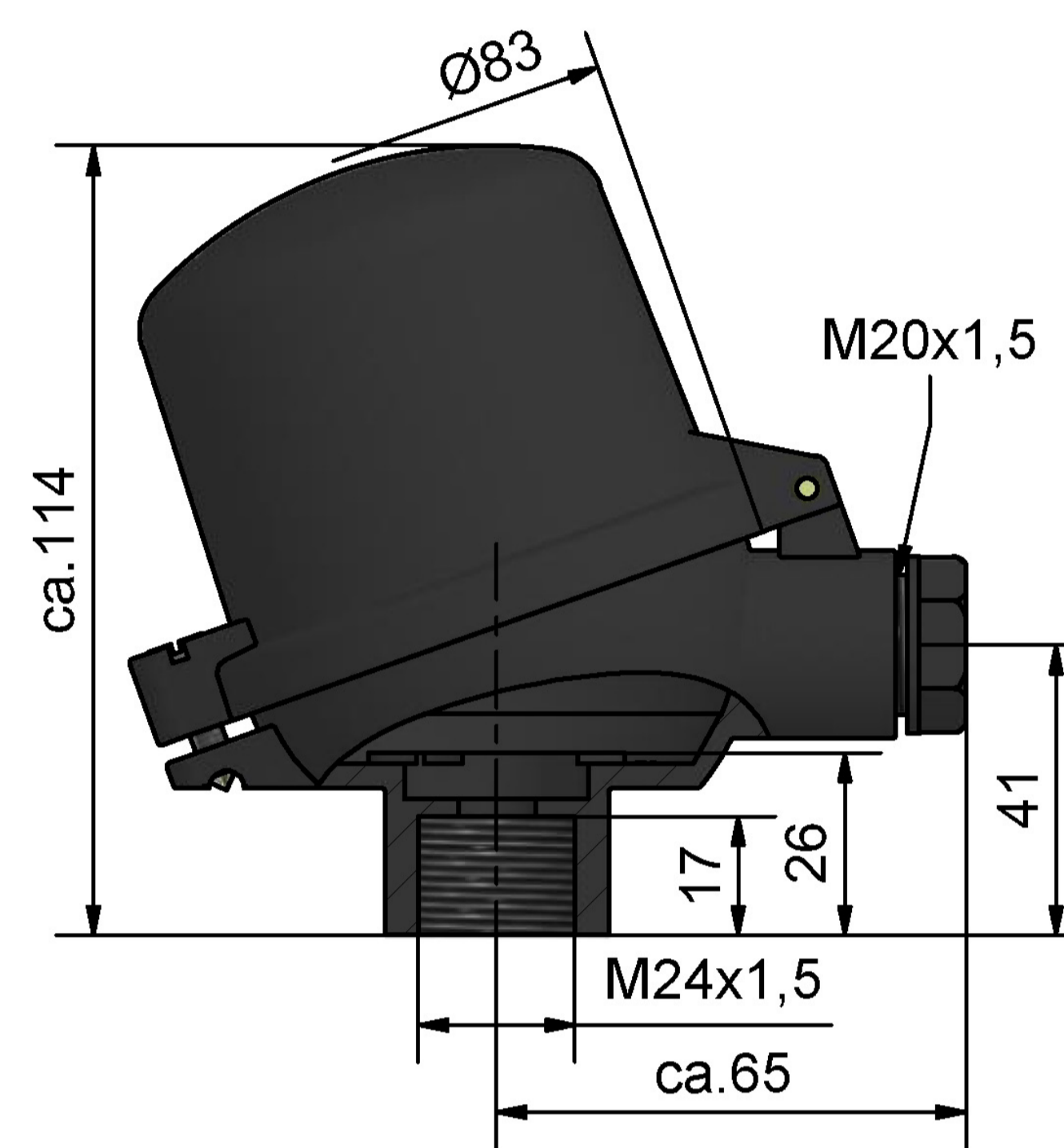
connection head model BA-KL
M24 x 1,5



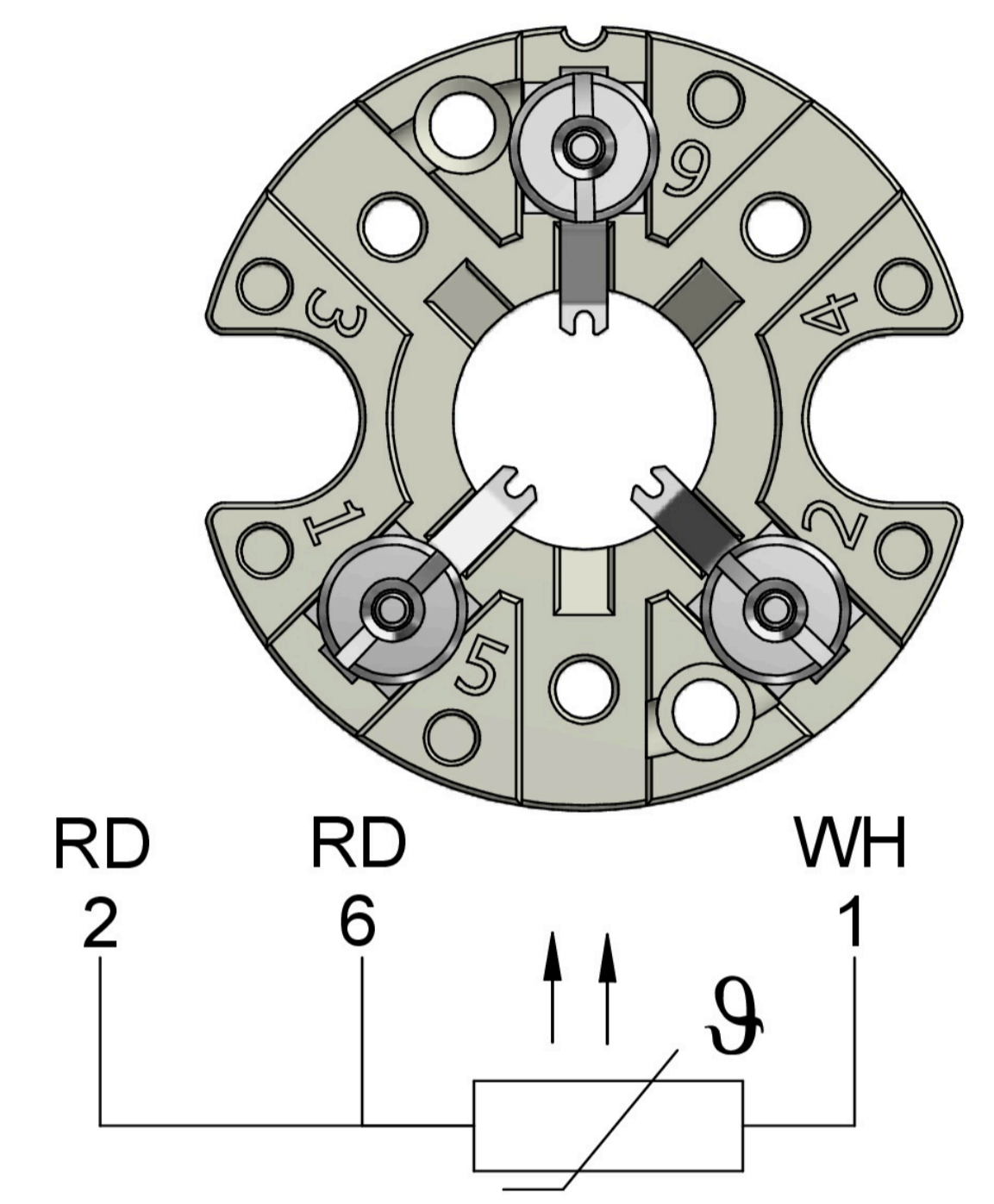
connection head model BA-KLH
M24 x 1,5



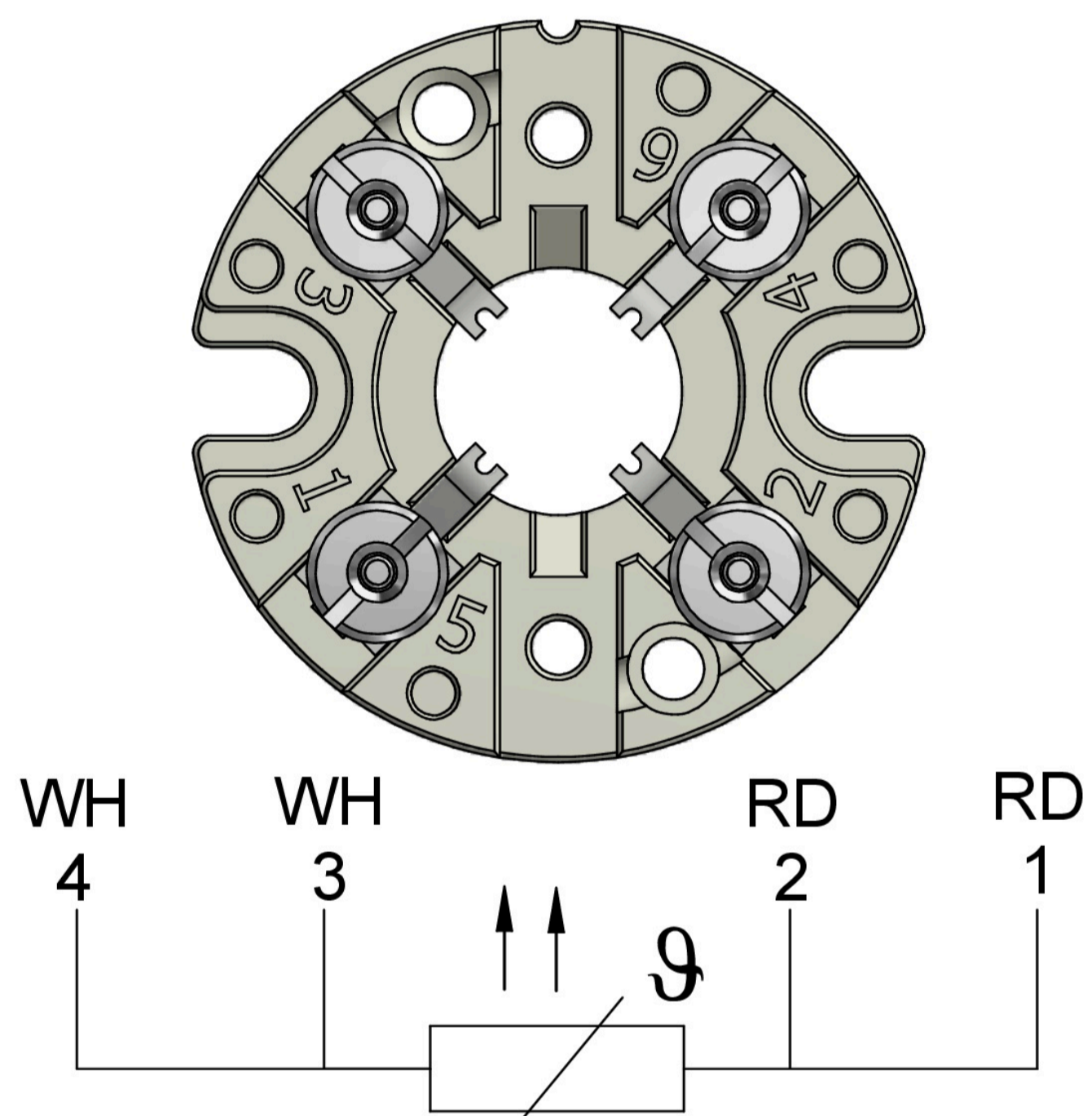
connection head model B-KUKL
M24 x 1,5



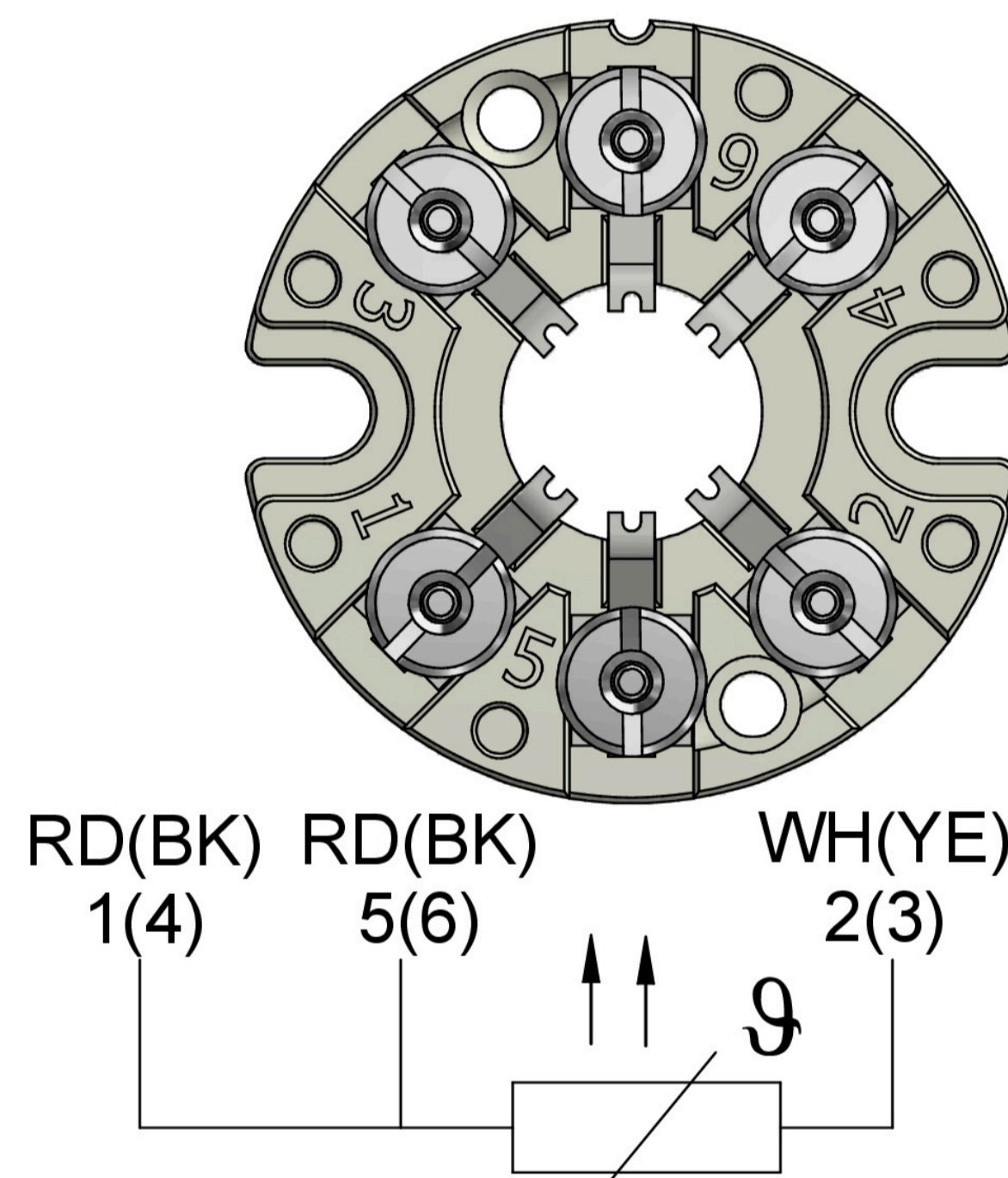
connection head model B-KUKHL
M24 x 1,5



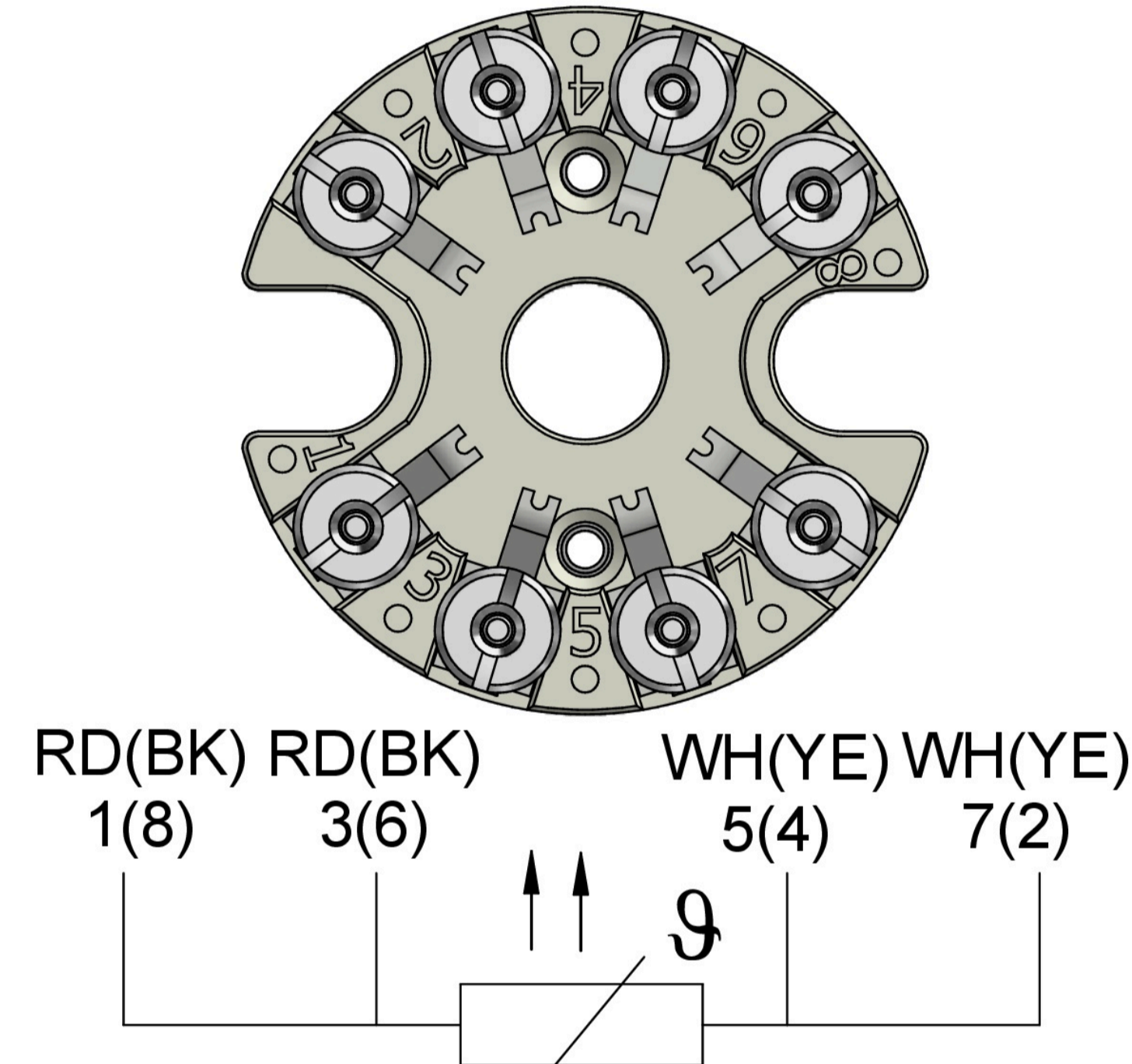
terminal base model B
1 x PT100 3 wire



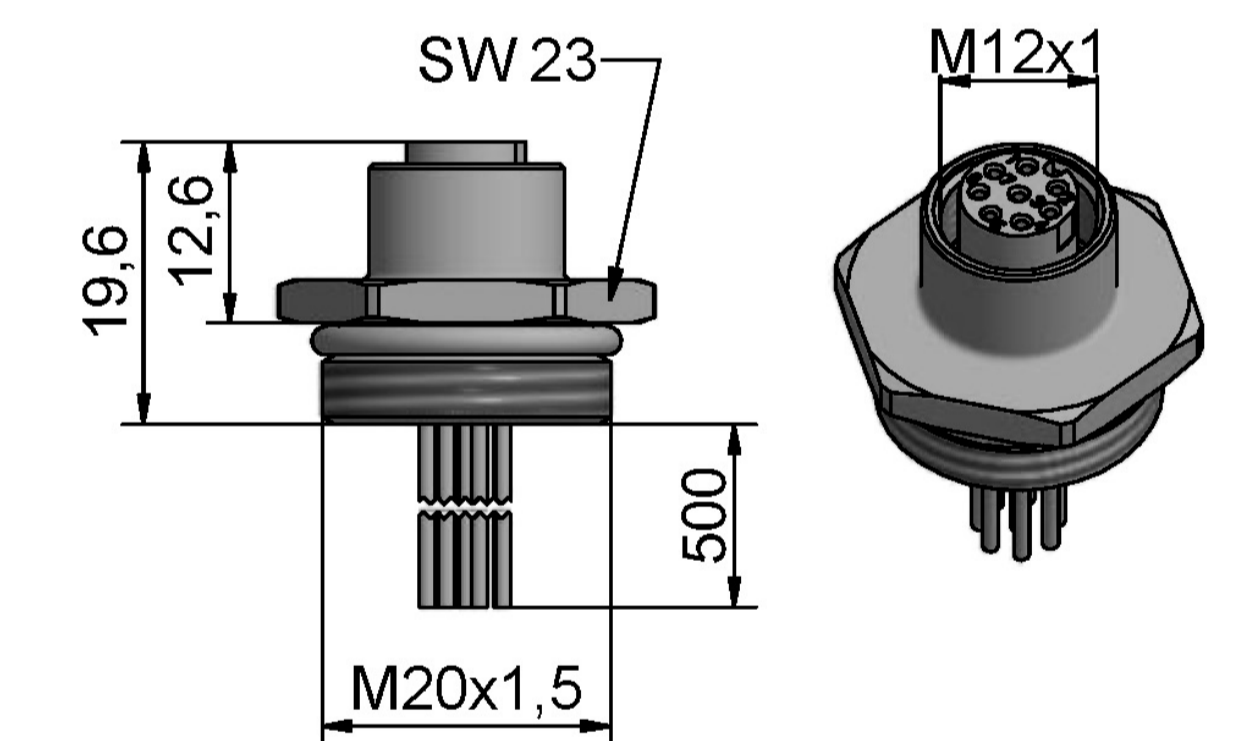
terminal base model B
1 x PT100 4 wire



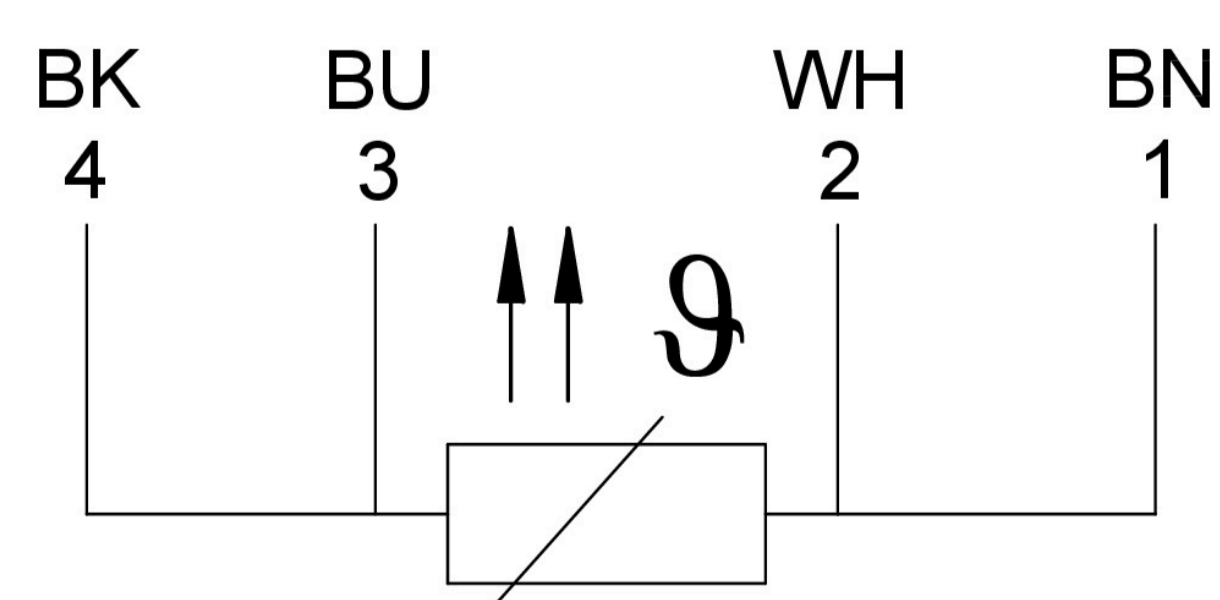
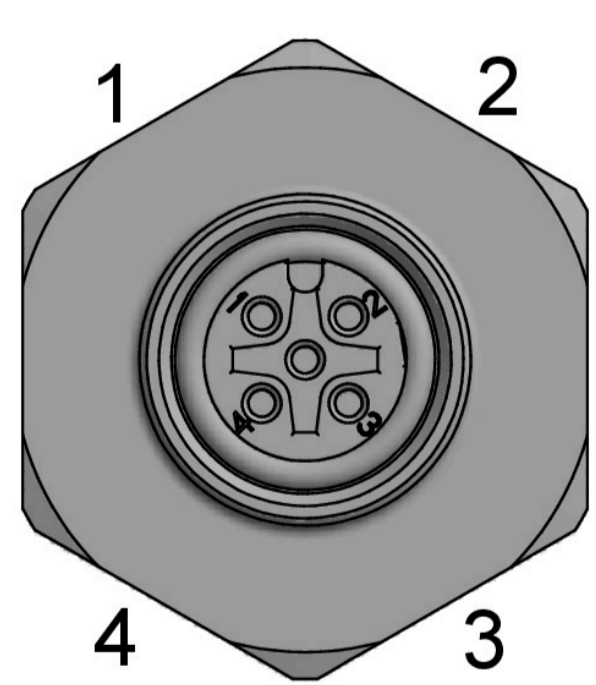
terminal base model B
2 x PT100 3 wire



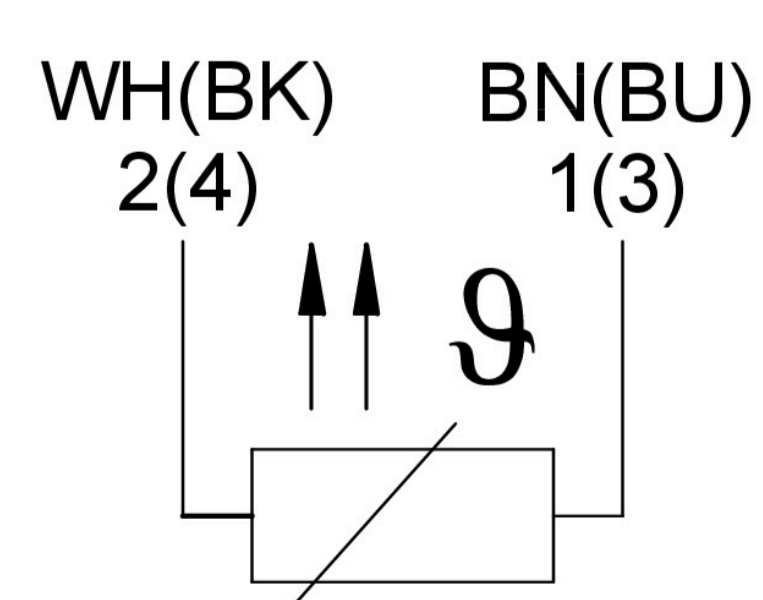
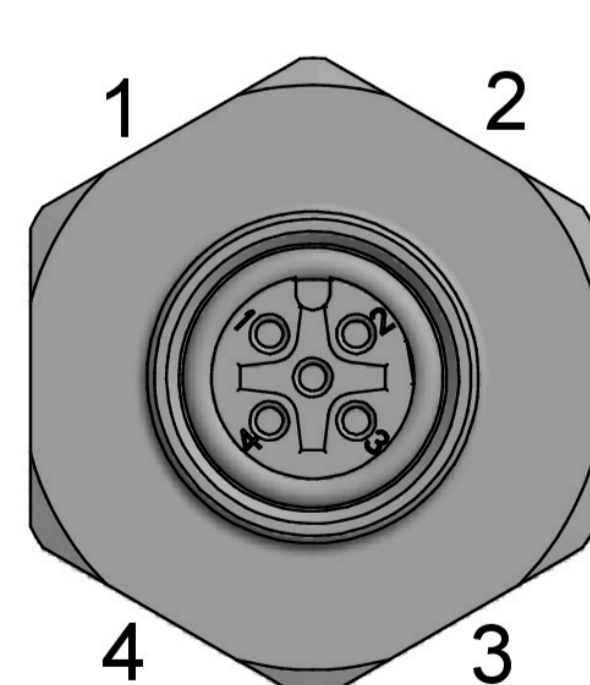
terminal base model B
2xPT100 4-wire



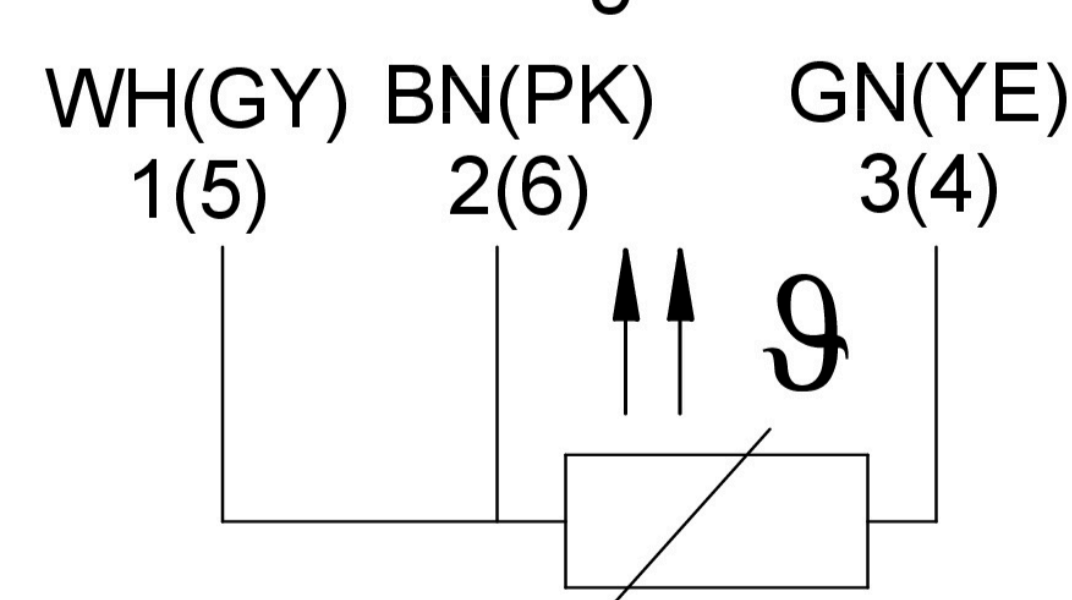
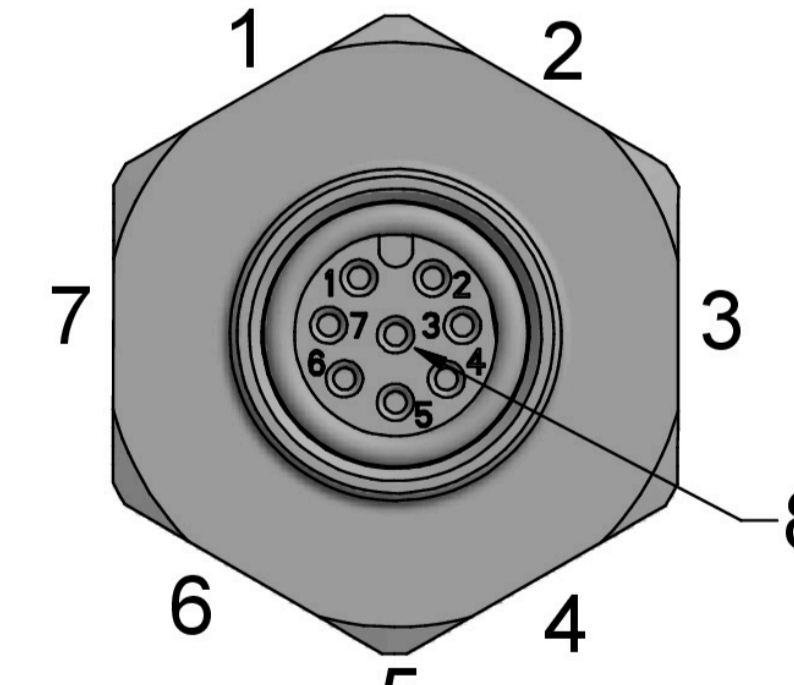
M12 insert socket
8 - terminal



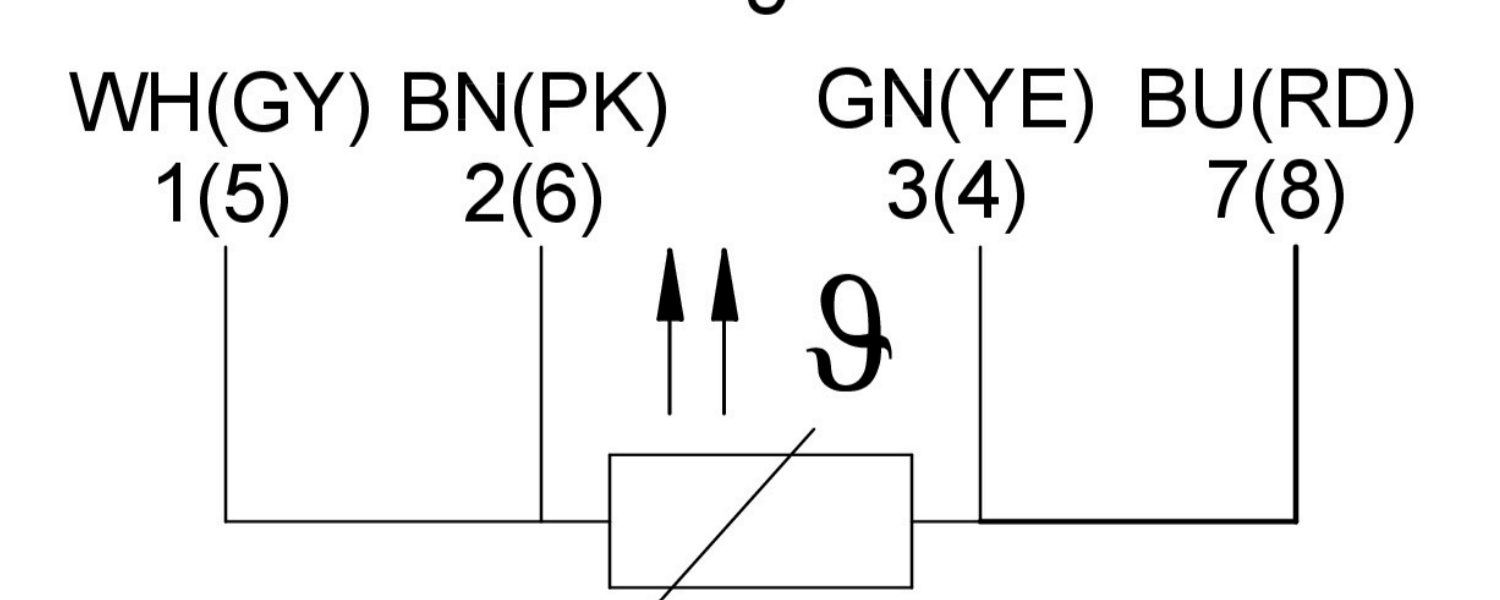
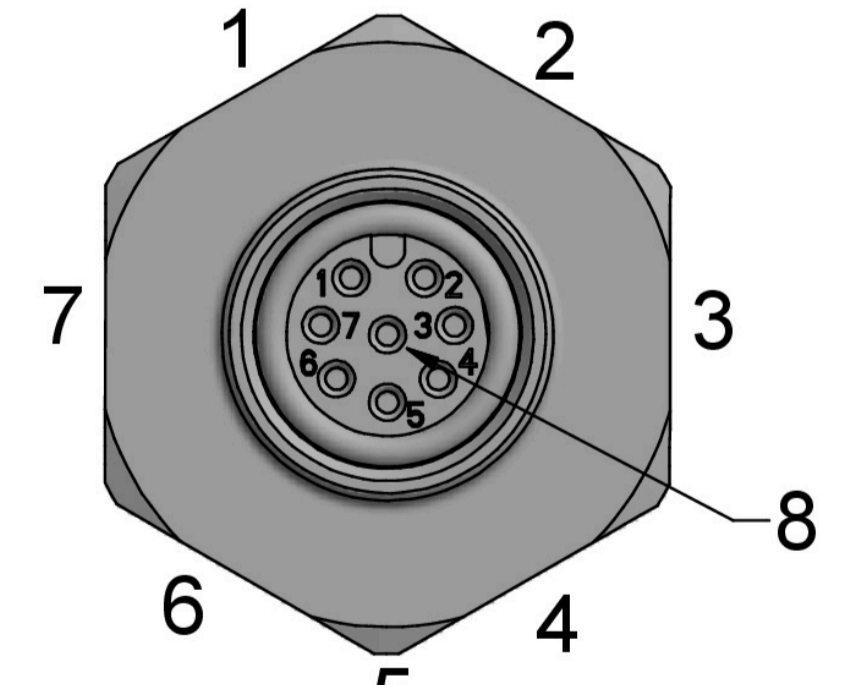
M12 insert socket
1xPT100 4 wire



M12 insert socket
2xPT100 2 wire



M12 insert socket
2xPT100 3-wire



M12 insert socket
2xPT100 4-wire