Mineral Insulated Thermocouple model 2

MIT with protection shell model 2 according or similar to DIN 43722

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:
Autoclaves, machine and plant construction,
food, chemical industry,
energy and power plant technology,
building materials industry, recycling, pipeline construction.

For installation-specific data, see installation instructions
Type code 1R9-B0.

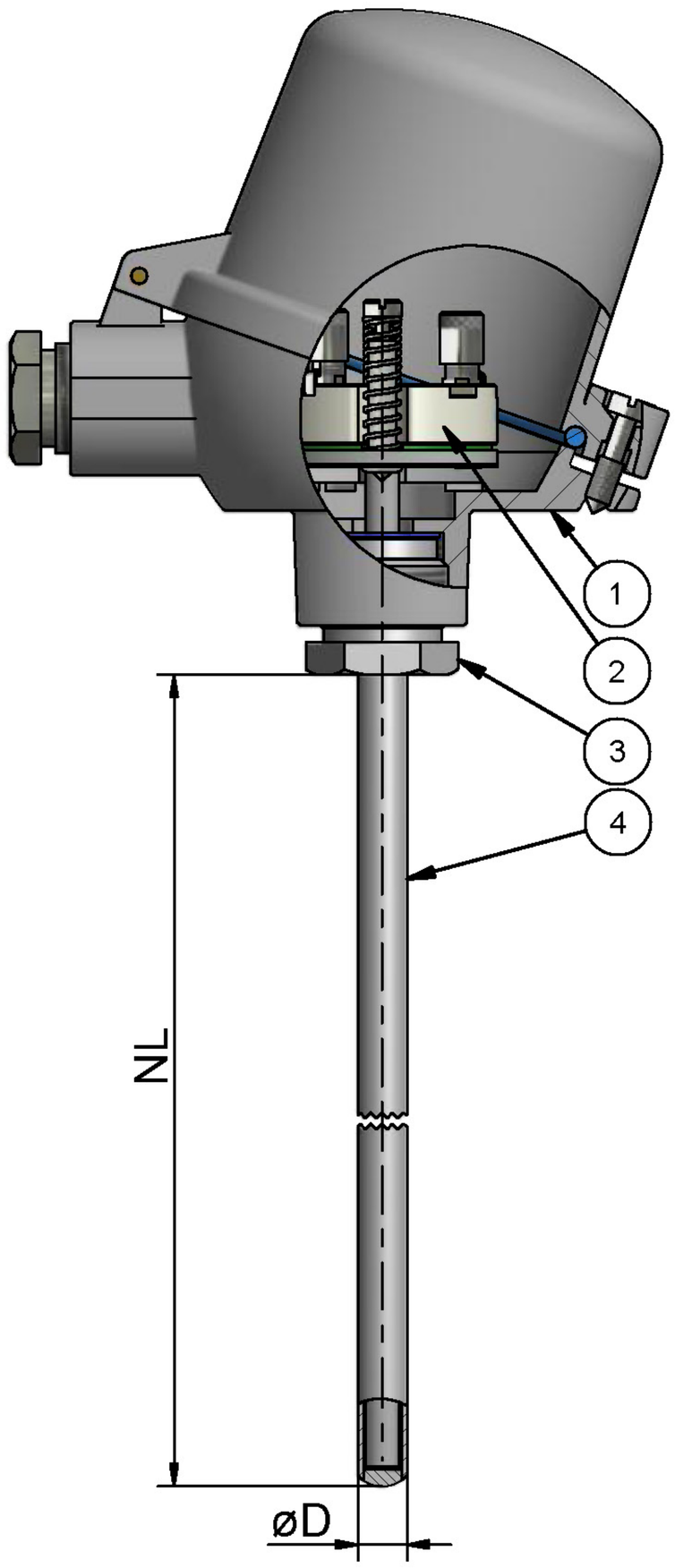

fig. 1

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. IP54, dimension see page 2.
  On request IP65 or IP67.
- **Protection shell** (fig. 1/3 up to 4) according or similar to DIN 43772.
  Standard material 1.4571.
  Standard diameter 9 or 11 mm
- **Process connection** via movable gas tight screw socket or compression fitting, standard thread: G1/2".
- **Measuring insert** (fig. 1/2) interchangeable, according to or similar to DIN 43735.
  Sensor depending on application:
  with 1 or 2 thermocouples according to IEC / EN 60584-1.
  Recommended application temperature depending on thermocouple type and diameter:
  Type K: Ø 3.0 mm up to 1070 °C, 6.0 and 8.0 mm up to 1100 °C.
  Type J: Ø 3.0 mm up to 520 °C, 6.0 and 8.0 mm up to 720 °C.
  Type N: Ø 3.0 mm up to 1070 °C, 6.0 and 8.0 mm up to 1100 °C.
  Type E: Ø 3,0 mm up to 650 °C, 6,0 and 8,0 mm up to 820 °C.
  Type T: Ø 3.0 mm up to 315 °C, 6.0 and 8.0 mm up to 350 °C.
  Type S/R: Ø 3.0 and 6.0 mm up to 1300 °C.
  Note:
  TYPE S/R with sheath of 2.4816 only for 0 °C to max. 900 °C ("risk of poisoning")
- **Sheath material** design according to IEC / EN 61515.Preferred material 2.4816.
  Preferred diameter 3; 6 or 8 mm.
- **Optional:** Class 3 requirements (-200 °C to 40 °C) on request. For requirements of class 1 and class 3 only possible with specially selected sheath material, high expense and not with type T.Translated with www.DeepL.com/Translator (free version)

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Your partner for temperature

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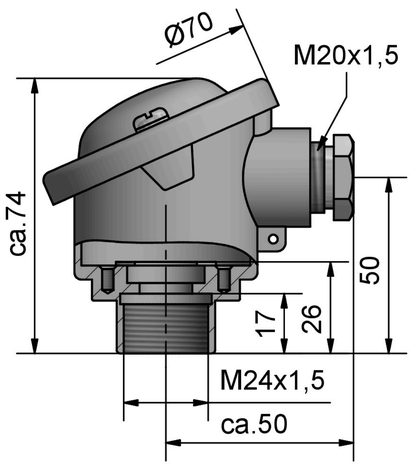
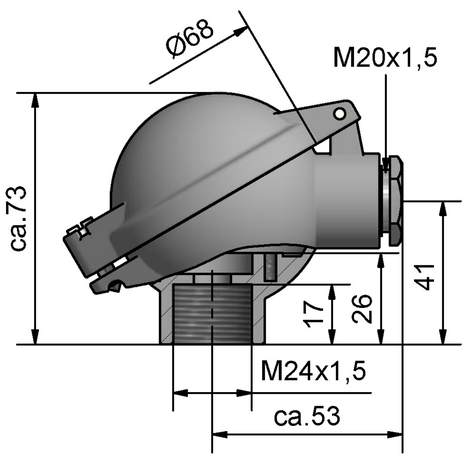
Optional connection heads / connection diagrams

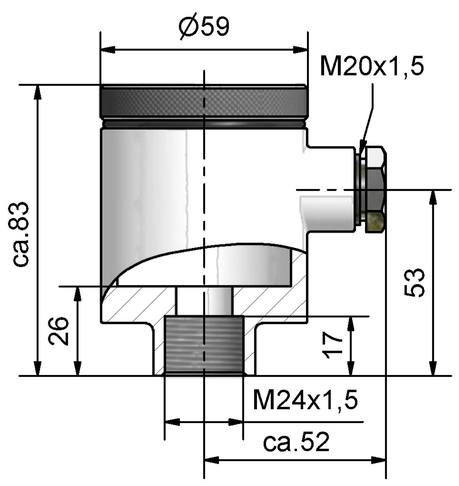
As an alternative to the cable gland, an M12 flush-type connector is possible.



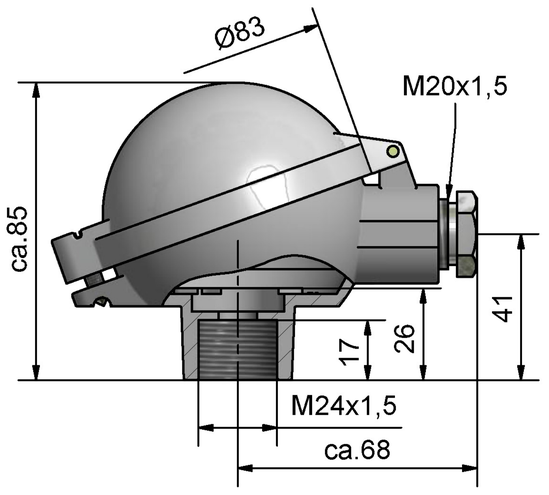
head model B-G12
M24 x 1,5



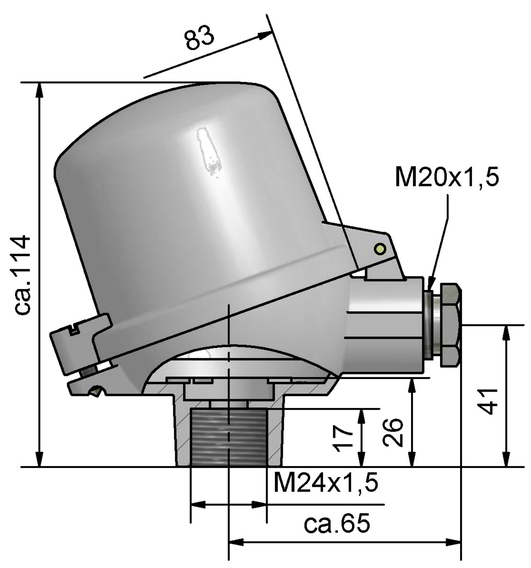
head model B-KL
M24 x 1,5



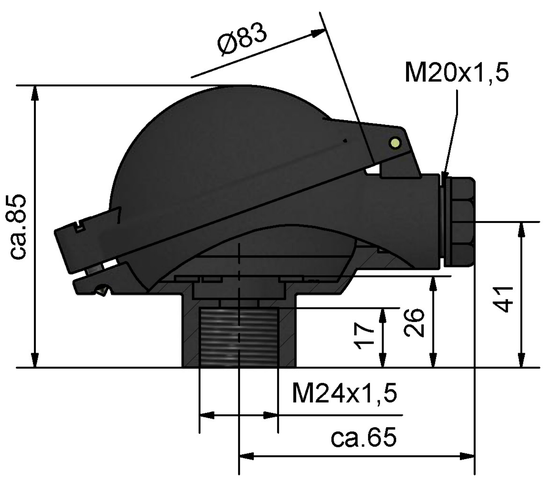
head model B-VA
M24 x 1,5



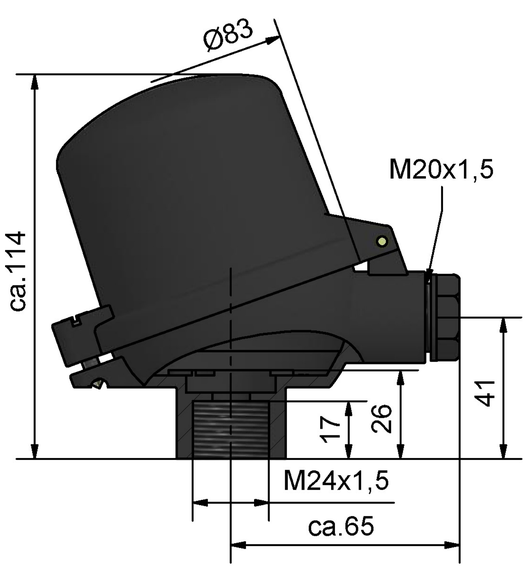
head model BA-KL
M24 x 1,5



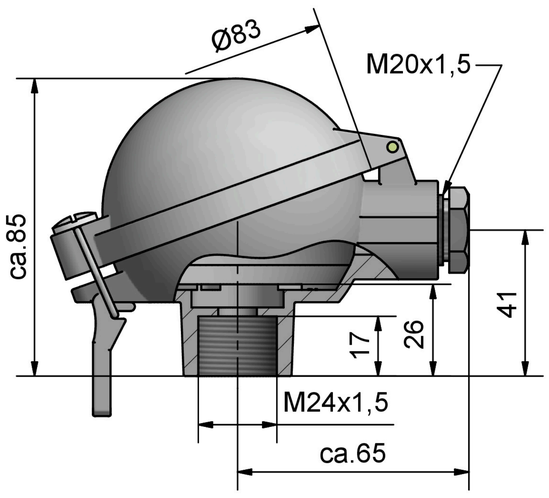
head model BA-KLH
M24 x 1,5



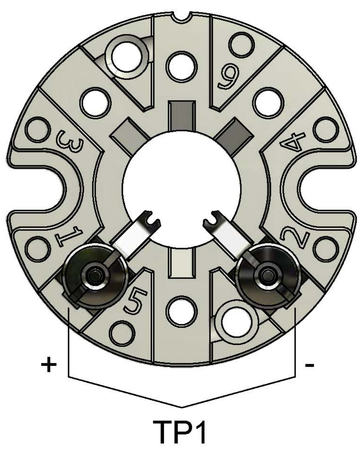
head model B-KUKL
M24 x 1,5



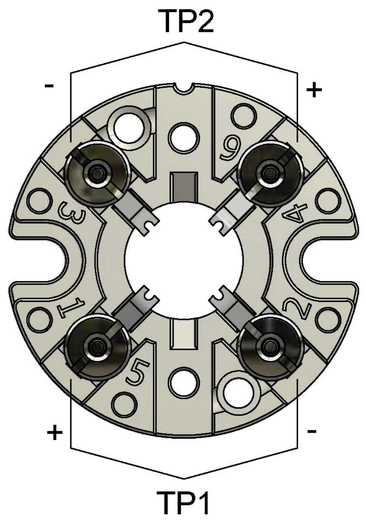
head model B-KUKLH
M24 x 1,5



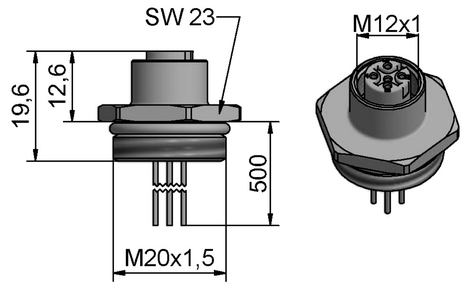
head model BA-KS
M24 x 1,5



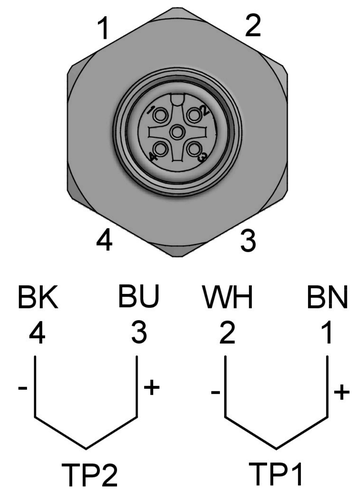
standars socket
1 thermocouple



standars socket
2 thermocouples



M12 insert socket
4 terminals



M12 insert socket
2 thermocouples

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