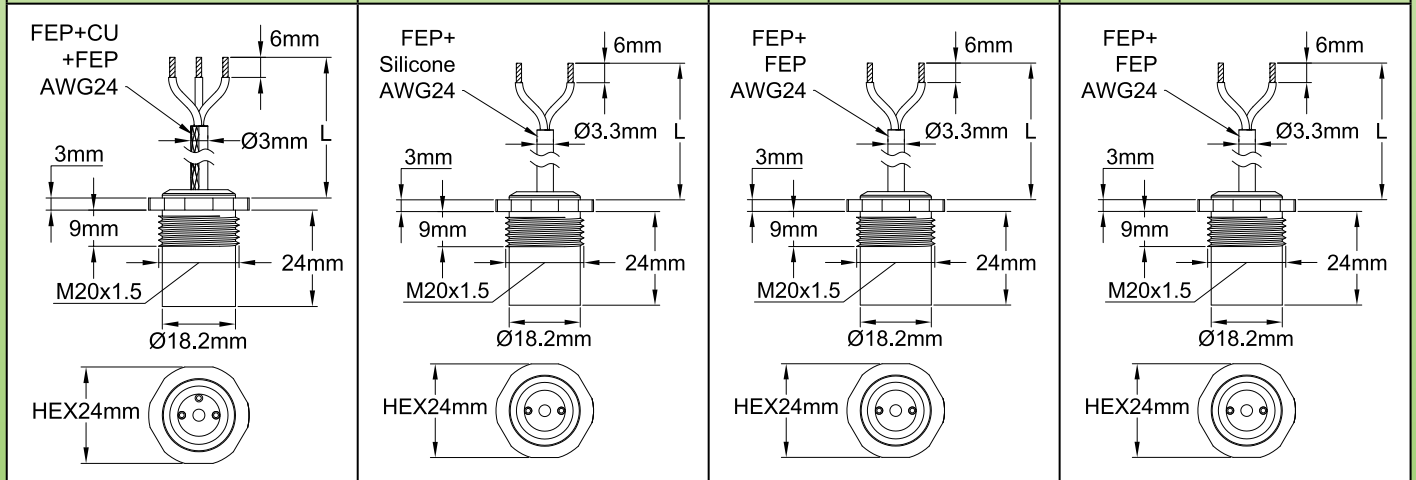
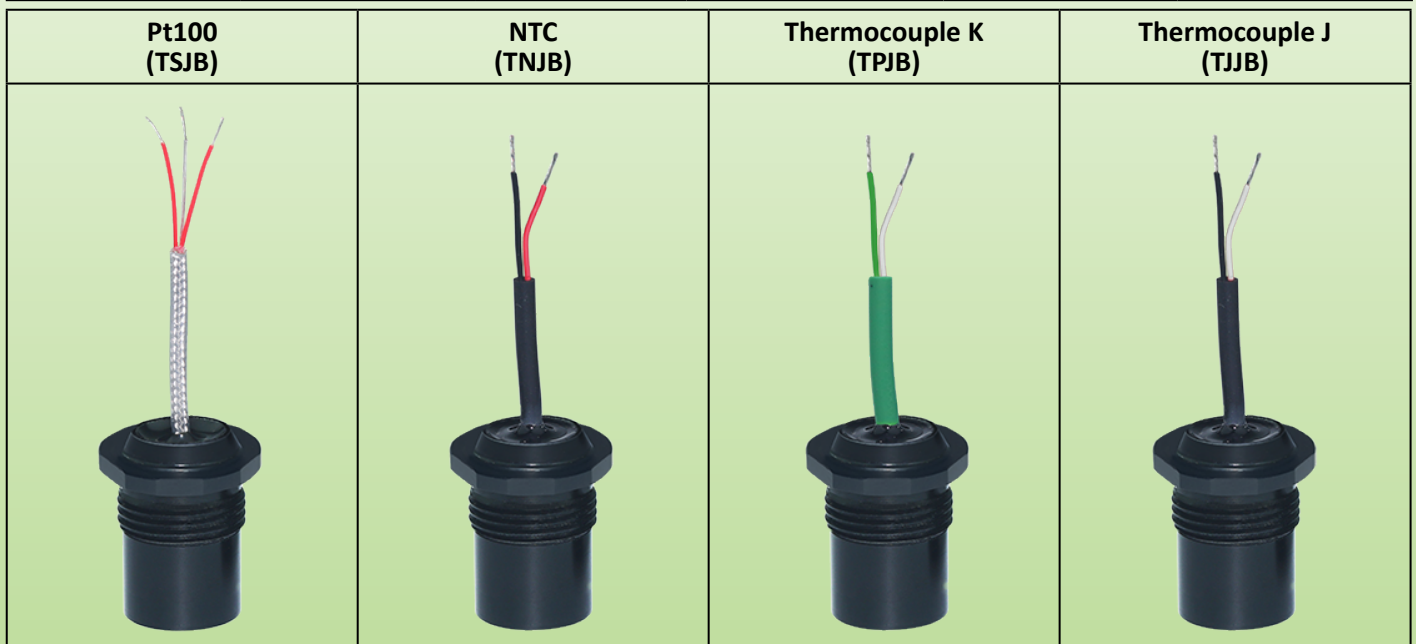


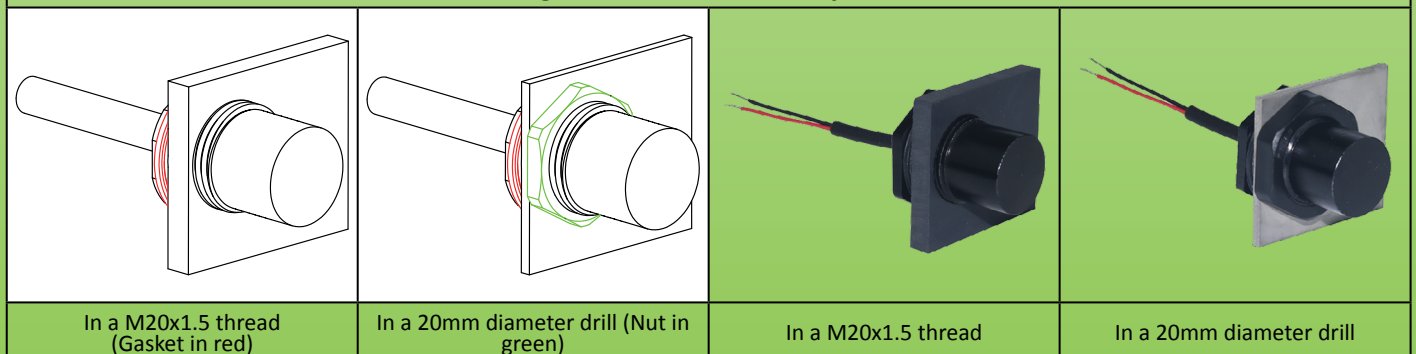
Usual temperature sensors for applications with electronic temperature controls and control boxes

M20x1.5 temperature sensors for mounting in cable glands holes or threads, for external ambient temperature measurement (P1)

Thread	Body diameter	Wire gauge	Sensors	Body material	Types
M20 × 1.5	Ø18.2 × 15mm	0.5mm ² (AWG24)	Pt100 NTC Thermocouple	Anodized aluminum	TNJB TPJB TSJB TJJB



Through cabinet wall assembly versions



Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



Usual temperature sensors for applications with electronic temperature controls and control boxes

M20x1.5 temperature sensors for mounting in cable glands holes or threads, for external ambient temperature measurement (P2)

Applications

These temperature sensors have been designed to be mounted in holes dia. 20mm (With a lock nut and a gasket) or in M20x1.5 threads (With a gasket), originally intended for mounting cable glands on connection boxes or control boxes. **They allow to easily install an ambient temperature sensor on these boxes.** The ambient temperature measurement is then made outside, 15mm from the wall, and the system is fully waterproof.

Main features

Pt 100 3 wires RTD temperature sensor:

- Connection: 3 wires 0.5mm² (AWG24), FEP insulation + metallic braid + FEP. The 2 white wires are connected to one pole of the Pt100, the red wire to the other pole.

Negative temperature coefficient (NTC) thermistor temperature sensor:

- Connection: Black 2 wires 0.5mm² cable (AWG24), FEP + Silicone insulation. A black wire, a red wire. Each of these wires corresponds to a pole of the thermistor. Resistance variation curve: value 10 Kilo-ohms at 25°C, coefficient B 3380.

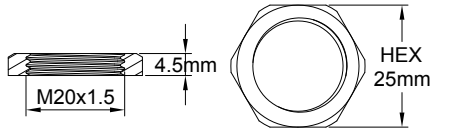
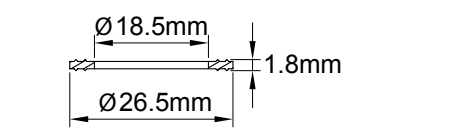
K thermocouple sensor:

- Connection: Green 2 wire 0.5mm² cable (AWG24), FEP + FEP insulation. Colour code according to IEC 584-3. The white wire is negative, the green wire is positive. (Colour code upon other standards on request).

J thermocouple sensor:

- Connection: Black 2 wire 0.5mm² cable (AWG24), FEP + FEP insulation. Colour code according to IEC 584-3. The white wire is negative, the black wire is positive. (Colour code upon other standards on request).

Accessories:

M20 × 1.5 Nylon nut		66NDM20545H25
70 shore NBR gasket		66JPN18518265

References

Sensor type	Cable length (L)			
	300mm	1m	2m	3m
Pt100	TSJBD150A0302BK6	TSJBD150A1002BK6	TSJBD150A2002BK6	TSJBD150A3002BK6
NTC (10 Kohms @ 25°C)	TNJBD150A03022F6	TNJBD150A10022F6	TNJBD150A20022F6	TNJBD150A30022F6
Thermocouple K	TPJBD150A03022D6	TPJBD150A10022D6	TPJBD150A20022D6	TPJBD150A30022D6
Thermocouple J	TJJBD150A03022D6	TJJBD150A10022D6	TJJBD150A20022D6	TJJBD150A30022D6

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