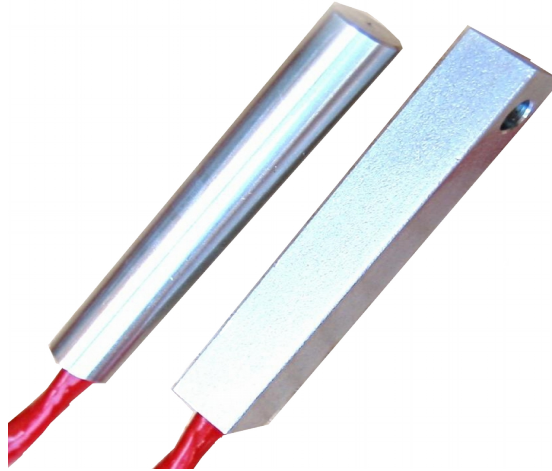


External Sensor ESA-Ex



Features

- ◆ ATEX marking for use in zones 2 and 22
- ◆ Highly resistant against corrosion, pitting and a multitude of chemicals
- ◆ Hermetically sealed by a thermally conductive potting compound
- ◆ Prismatic stainless steel housing with a 4 mm mounting bore for fitting to measurement object
- ◆ Cylindrical stainless steel housing for feeler application
- ◆ To be used with LISTcontroller
- ◆ May be combined with LIST sensor cable **SEC 20**
- ◆ Up to 3.200 m sensor cable length including external sensors **ESA** connection cable with 320 sensors per LISTcontroller

General Data

- ◆ Type of protection zone 2: Ex II 3G Ex nA IIC T4 Gc
- ◆ Type of protection zone 22: Ex II 3D Ex tc IIIB T125 °C Dc
- ◆ Operating temperature: -20 °C...+70 °C
- ◆ Ingress protection: IP 64
- ◆ Cable routing: EN 60079-0 / 26.4.2 routing protected against mechanical impact energy
- ◆ Connection box: **CBO 20-SEC/1-Ex, CBO 20-SEC/2-Ex, CBO 20-ESA/1-Ex, CBO 20-ESA/2-Ex, CBO 20-SEC-ESA-Ex** within Ex-zone, **CBO 20-ESA** outside
- ◆ Housing material: Material no. 1.4571 (DIN EN X6 CrNiMoTi 17-12-2)
- ◆ Cable isolation material: FEP (Fluorinated Ethylene Propylene)

Sensor Specifications

- ◆ Measurement range: -40 °C ... +150 °C
- ◆ Measurement resolution: 0,1 °C
- ◆ Repeatability: ± 0,1 K
- ◆ Power supply: 15 V DC via LISTcontroller

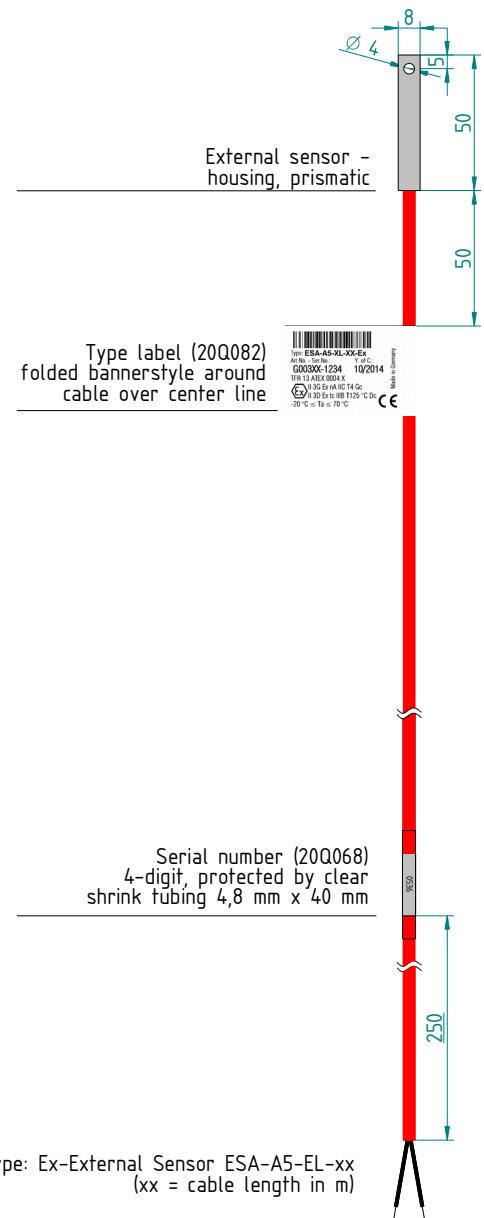
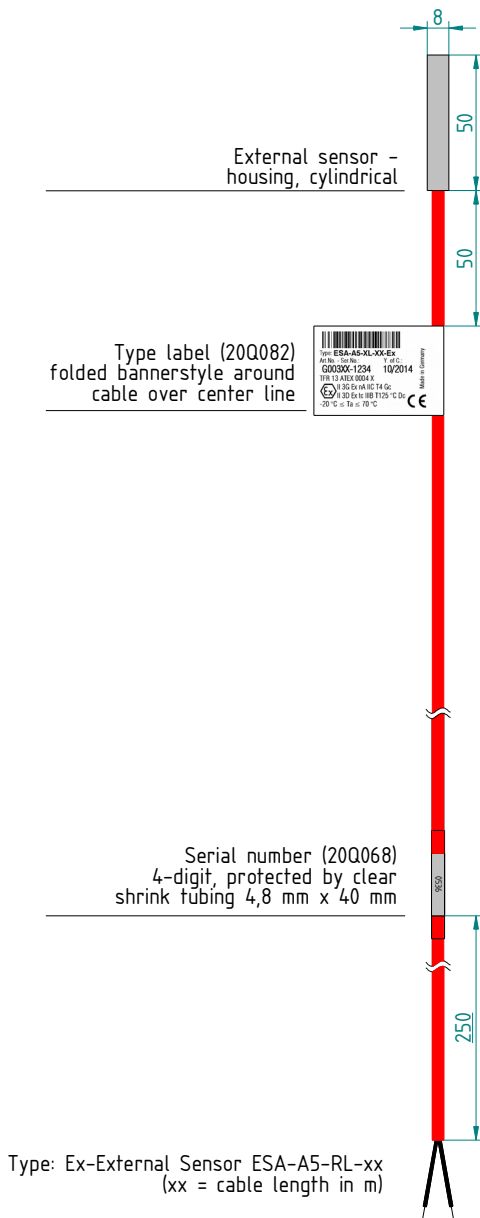
Ordering Information

- | | |
|--|-------------------------|
| ◆ External Sensor ESA-A5-EL-02 (2 m connection cable, prismatic) | Art.-no.: G00317 |
| ◆ External Sensor ESA-A5-EL-05 (5 m connection cable, prismatic) | Art.-no.: G00315 |
| ◆ External Sensor ESA-A5-EL-10 (10 m connection cable, prismatic) | Art.-no.: G00529 |
| ◆ External Sensor ESA-A5-RL-02 (2 m connection cable, cylindrical) | Art.-no.: G00307 |
| ◆ External Sensor ESA-A5-RL-05 (5 m connection cable, cylindrical) | Art.-no.: G00309 |
| ◆ External Sensor ESA-A5-RL-10 (10 m connection cable, cylindrical) | Art.-no.: G00310 |
| ◆ ATEX Marking for external sensor ESA | Art.-no.: S00005 |

Scope of Delivery

- ◆ External sensor with integral connection cable (length according to order)
- ◆ ATEX marking

Dimensions



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