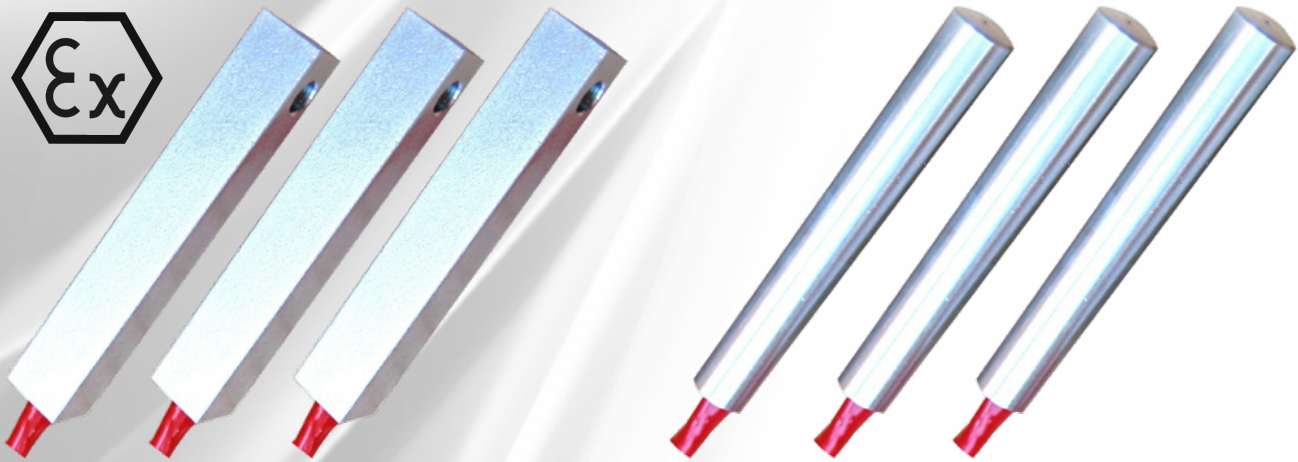


External Sensor ESA-A5-Ex



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-A5** connection cable with 320 sensors per LISTcontroller

General Data

- ▶ Type of protection zone **2**: Ⓢ II 3G Ex ec IIC T4 Gc
- ▶ Type of protection zone **22**: Ⓢ 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 Ex-zone
- ▶ Housing material: Material no. 1.4571 (DIN EN X6 CrNiMoTi 17-12-2)
- ▶ Cable isolation material: FEP (Fluorinated Ethylene Propylene)
- ▶ Storage Conditions: 0 °C ... +60 °C, 30% ... 70% relative humidity, non condensing, prevention against shock, vibration, dust, electrostatic discharge **ESD**, **UV** light

Sensor Specifications

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

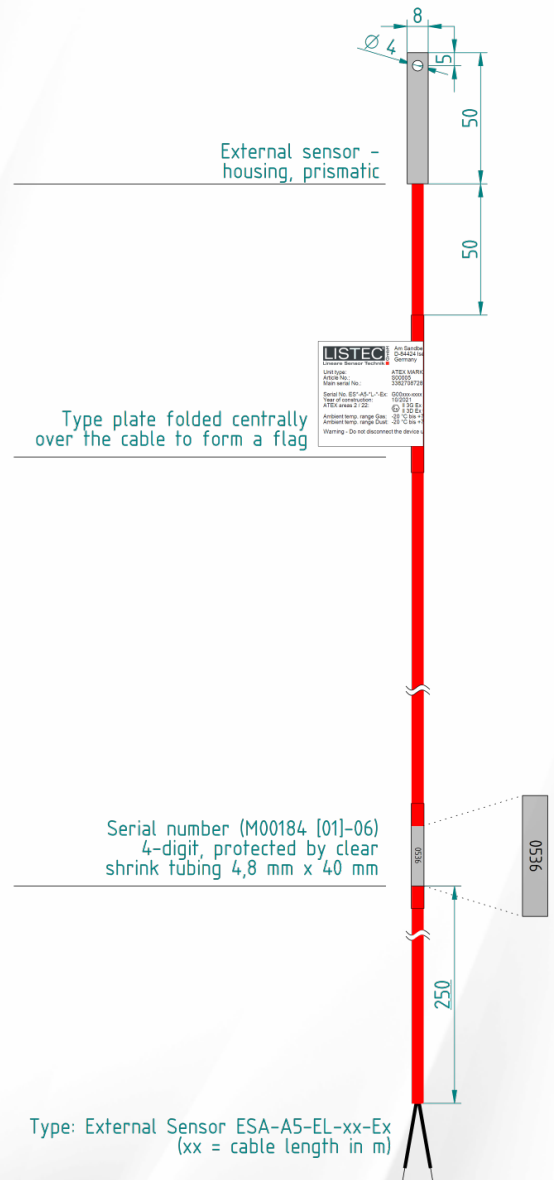
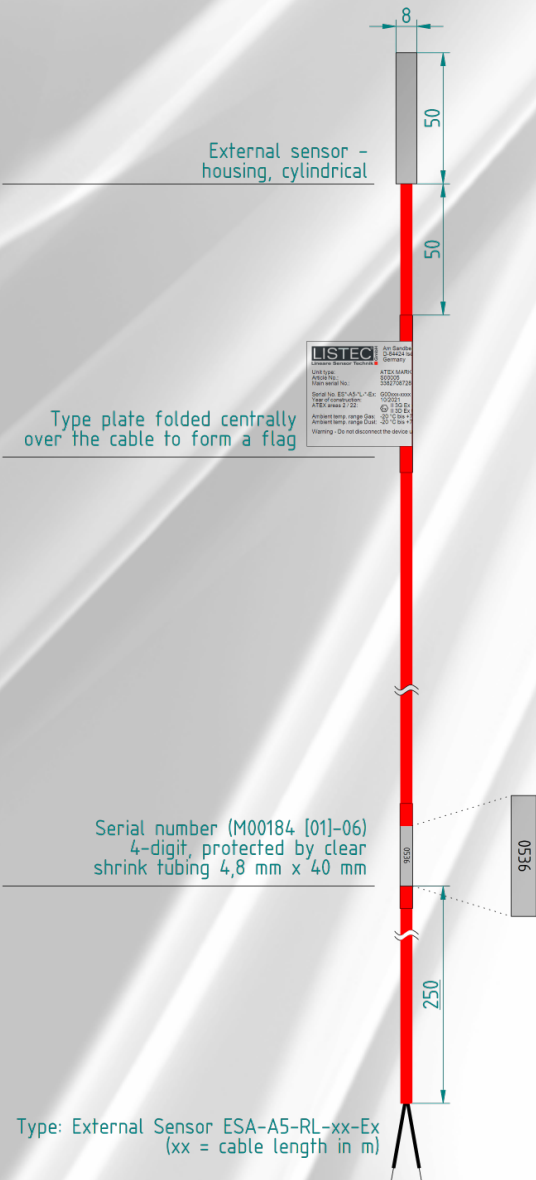
Ordering Information

- | | |
|--|-------------------------|
| ▶ 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-A5 | Art.-no.: S00005 |

Scope of Delivery

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

Dimensions



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