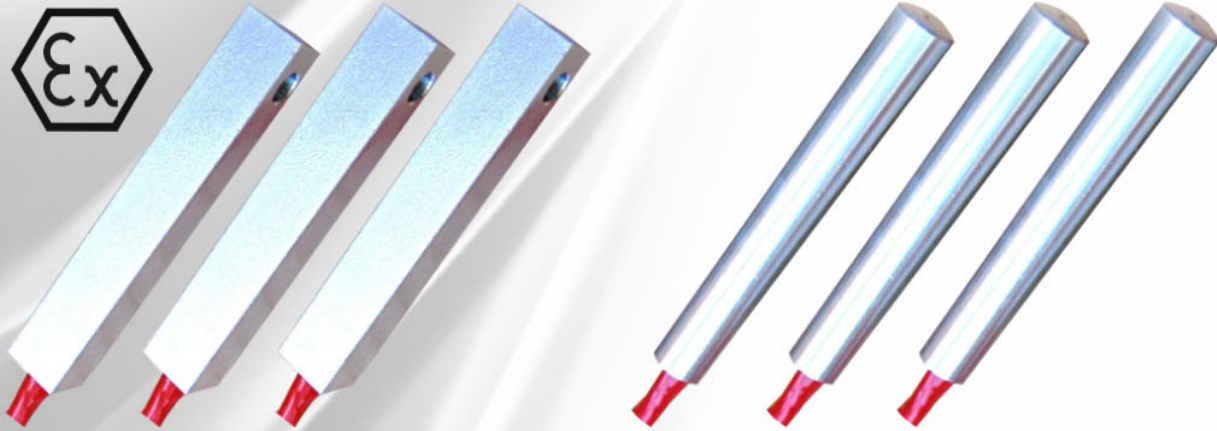


External Sensor ESD-A5-Ex



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 sensor control unit **SCU 800** or **SCU 835**
- ▶ May be combined with d-LIST sensor cable **SEC 15**
- ▶ Maximum number of external sensors each for inputs **A / B (I / II)** of a sensor control unit **SCU 800** or **SCU 835**:
Up to 50 external sensors with a total cable length of up to 100 m
From 51 to 99 external sensors with a total cable length of up to 50 m
In combination with sensor cable **SEC 15** four external sensors at each sensor cable end with a total cable length of up to 200 m

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 boxes: **CBO 5-Ex inside** Ex-Zone resp. **CBO 5-SEC / CBO 5-ESD-T outside** Ex-Zone with **SCU 800**, or **CBO 15-SEC / CBO 15-ESD outside** Ex-Zone with **SCU 835**
- ▶ 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 ... +120 °C
- ▶ Measurement resolution: 0,0625 °C, output via protocol interface 0,1 °C
- ▶ Repeatability: ± 0,0625 K, output via protocol interface ± 0,1 K
- ▶ Power supply: 5 V DC via **SCU 800** or **SCU 835**

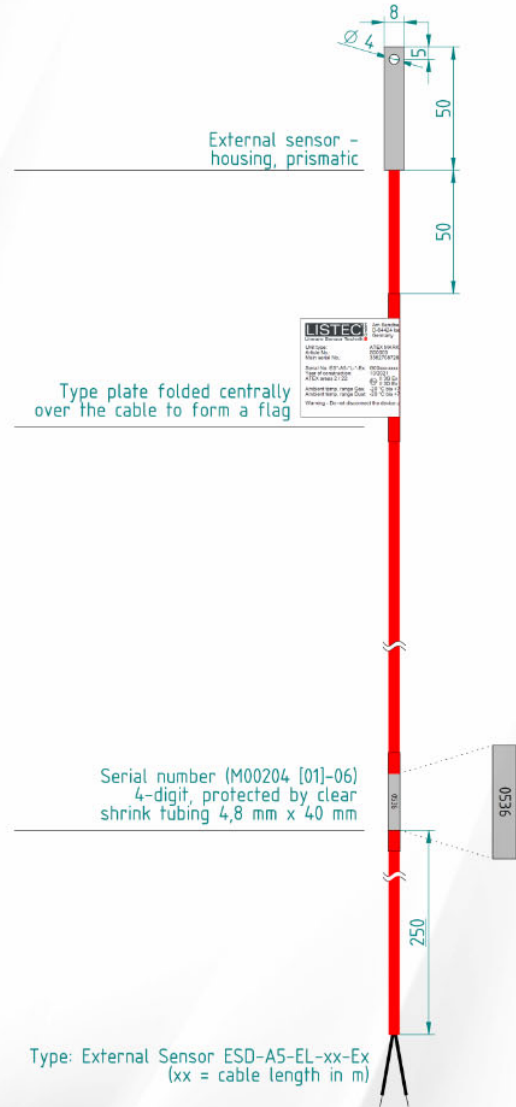
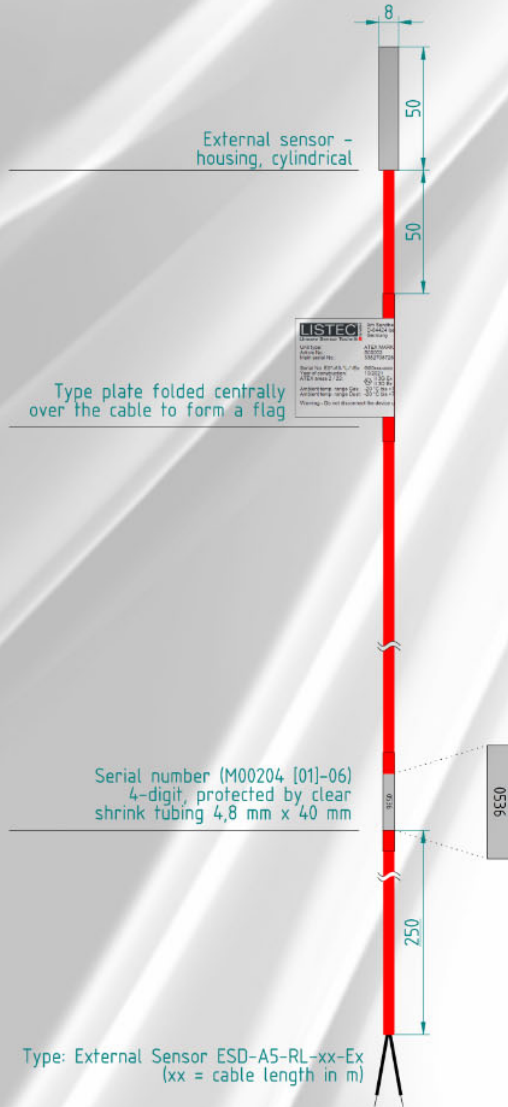
Ordering Information

- | | |
|--|-----------------------------------|
| ▶ External Sensor ESD-A5-EL-01 (1 m connection cable, prismatic) | Art.-no.: 62-2000343-00-00 |
| ▶ External Sensor ESD-A5-EL-05 (5 m connection cable, prismatic) | Art.-no.: 62-2000346-00-00 |
| ▶ External Sensor ESD-A5-EL-10 (10 m connection cable, prismatic) | Art.-no.: 62-2000499-00-00 |
| ▶ External Sensor ESD-A5-RL-01 (1 m connection cable, cylindrical) | Art.-no.: 62-2000347-00-00 |
| ▶ External Sensor ESD-A5-RL-05 (5 m connection cable, cylindrical) | Art.-no.: 62-2000350-00-00 |
| ▶ External Sensor ESD-A5-RL-10 (10 m connection cable, cylindrical) | Art.-no.: 62-2000498-00-00 |
| ▶ ATEX Marking for external sensor ESD-A5 | Art.-no.: 62-7000003-00-00 |

Scope of Delivery

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

Dimensions



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