

# External Sensor ESD



## Features

- ◆ 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
- ◆ Zylindrical stainless steel housing for feeler application
- ◆ To be used with sensor control unit **SCU 800**
- ◆ May be combined with d-LIST sensor cable **SEC 15**
- ◆ Maximum number of external sensors each for inputs **A** and **B** of a sensor control unit **SCU 800**:  
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

- ◆ Ingress protection: IP 64
- ◆ 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 ... +120 °C
- ◆ Measurement resolution: 0,1 °C
- ◆ Repeatability: ± 0,1 K
- ◆ Power supply: 5 V DC via **SCU 800**

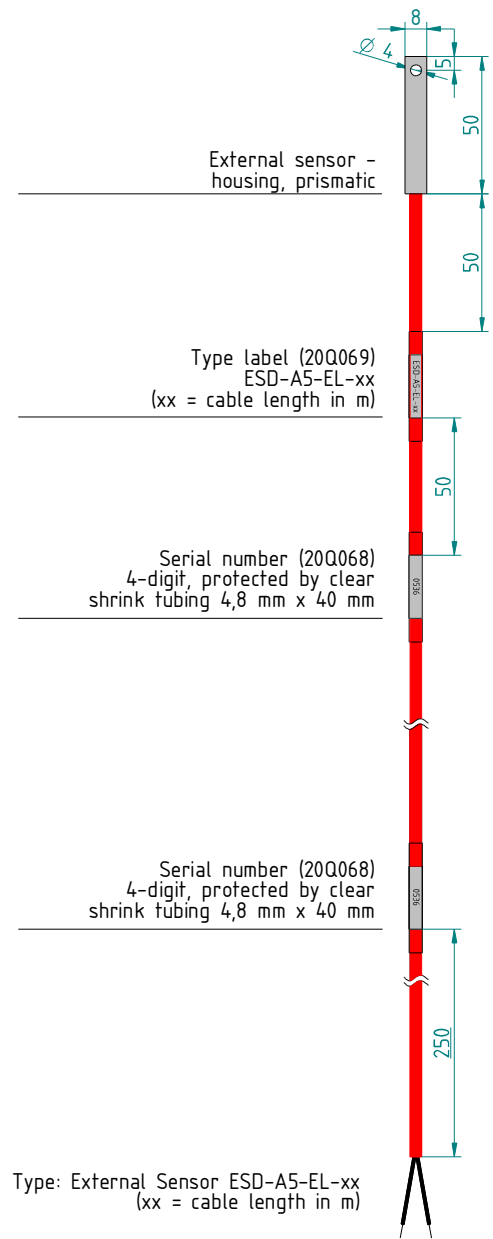
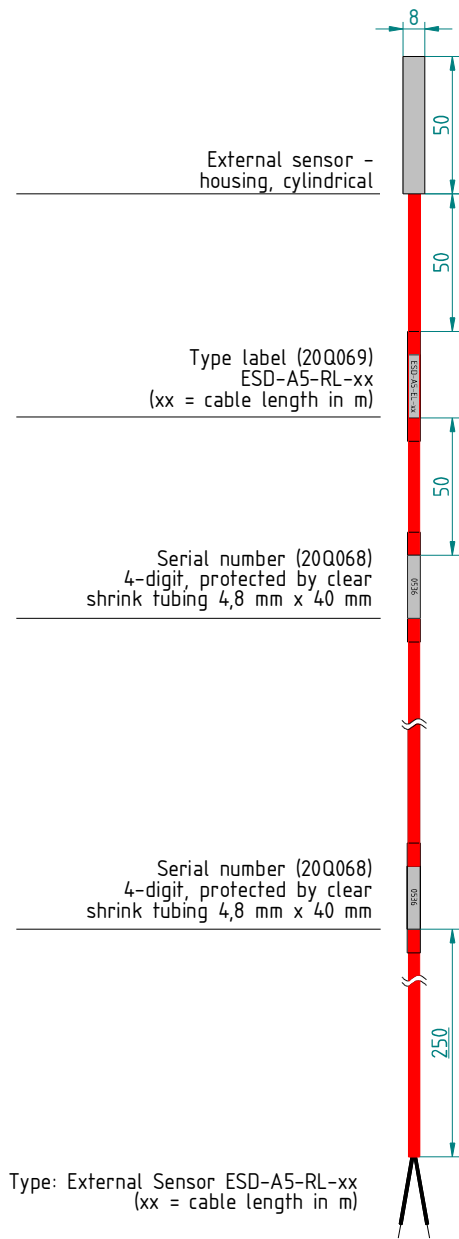
## Ordering Information

- |  |                         |
|--|-------------------------|
| ◆ External sensor <b>ESD-A5-EL-01</b> (1 m connection cable, prismatic)    | Art.-no.: <b>G00343</b> |
| ◆ External sensor <b>ESD-A5-EL-02</b> (2 m connection cable, prismatic)    | Art.-no.: <b>G00344</b> |
| ◆ External sensor <b>ESD-A5-EL-03</b> (3 m connection cable, prismatic)    | Art.-no.: <b>G00345</b> |
| ◆ External sensor <b>ESD-A5-EL-04</b> (4 m connection cable, prismatic)    | Art.-no.: <b>G00453</b> |
| ◆ External sensor <b>ESD-A5-EL-05</b> (5 m connection cable, prismatic)    | Art.-no.: <b>G00346</b> |
| ◆ External sensor <b>ESD-A5-EL-10</b> (10 m connection cable, prismatic)   | Art.-no.: <b>G00499</b> |
| ◆  |                         |
| ◆ External sensor <b>ESD-A5-RL-01</b> (1 m connection cable, cylindrical)  | Art.-no.: <b>G00347</b> |
| ◆ External sensor <b>ESD-A5-RL-02</b> (2 m connection cable, cylindrical)  | Art.-no.: <b>G00348</b> |
| ◆ External sensor <b>ESD-A5-RL-03</b> (3 m connection cable, cylindrical)  | Art.-no.: <b>G00349</b> |
| ◆ External sensor <b>ESD-A5-RL-04</b> (4 m connection cable, cylindrical)  | Art.-no.: <b>G00454</b> |
| ◆ External sensor <b>ESD-A5-RL-05</b> (5 m connection cable, cylindrical)  | Art.-no.: <b>G00350</b> |
| ◆ External sensor <b>ESD-A5-RL-10</b> (10 m connection cable, cylindrical) | Art.-no.: <b>G00498</b> |

## Scope of Delivery

- ◆ External sensor with integral connection cable (length according to order)
- ◆ Production file

**Dimensions**



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