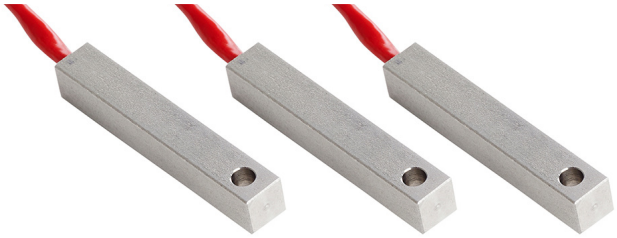
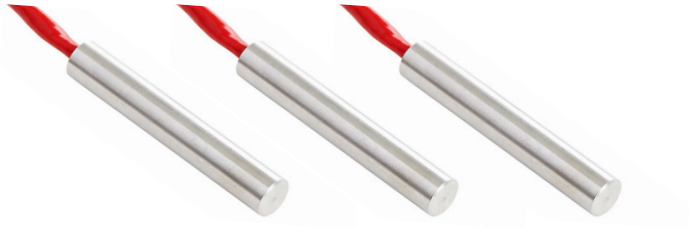
External Sensor SEC-ESD-A5





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
- Cylindrical stainless steel housing for feeler application
- To be used with sensor control unit SEC-SCU-835
- May be combined with d-LIST sensor cable SEC-LSC-15-XX
- Maximum number of external sensors each for inputs A / B of a sensor control unit of a SEC-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-LSC-15-XX four external sensors at each sensor cable end with a total cable length of up to 200 m

General Data

- Operating temperature: -40 °C … +85 °C, up to +120 °C short term
- Ingress protection: IP 64
- 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 sensor control unit SEC-SCU-835

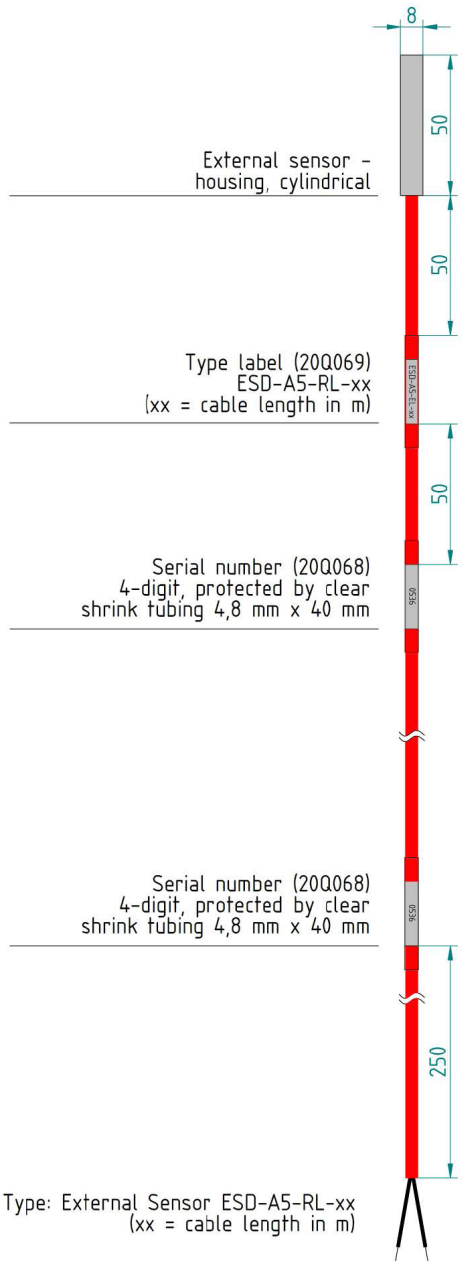
Ordering Information

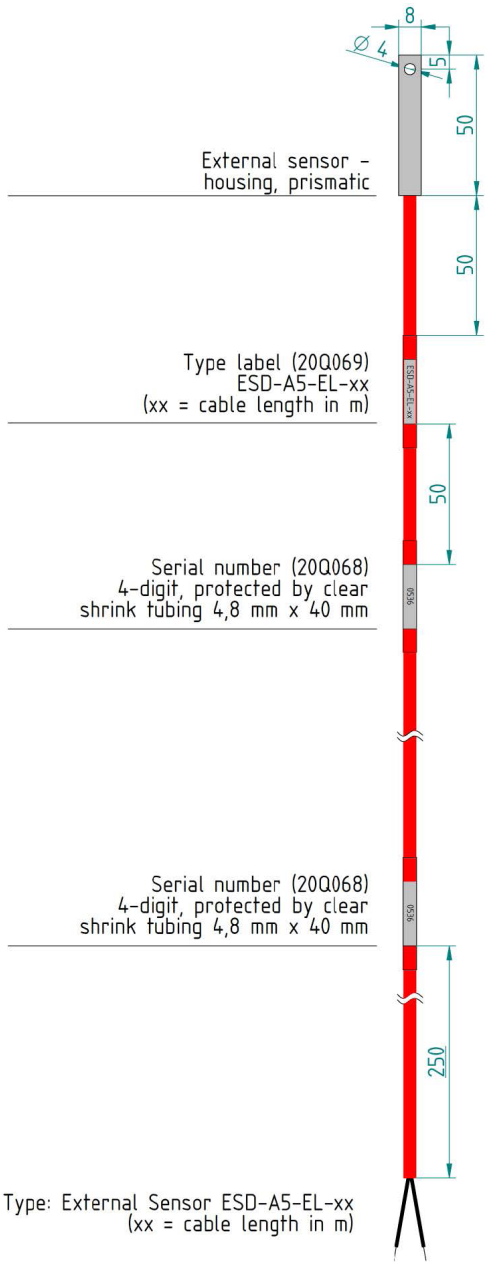
- External sensor SEC-ESD-A5-EL-01 (1 m connection cable, prismatic)
- External sensor SEC-ESD-A5-EL-05 (5 m connection cable, prismatic)
- External sensor SEC-ESD-A5-EL-10 (10 m connection cable, prismatic)
- External sensor SEC-ESD-A5-RL-01 (1 m connection cable, cylindrical)
- External sensor SEC-ESD-A5-RL-05 (5 m connection cable, cylindrical)
- External sensor SEC-ESD-A5-RL-10 (10 m connection cable, cylindrical)

Scope of Delivery

- External sensor with connection cable, length according to order
- Production file

Dimensions


8
50
External sensor –
housing, cylindrical
50
Type label (20Q069)
ESD-A5-RL-xx
(xx = cable length in m)
50
Serial number (20Q068)
4-digit, protected by clear
shrink tubing 4,8 mm x 40 mm
9536
9536
250
Type: External Sensor ESD-A5-RL-xx
(xx = cable length in m)


8
Ø 4
15
50
External sensor –
housing, prismatic
50
Type label (20Q069)
ESD-A5-EL-xx
(xx = cable length in m)
50
Serial number (20Q068)
4-digit, protected by clear
shrink tubing 4,8 mm x 40 mm
9536
9536
250
Type: External Sensor ESD-A5-EL-xx
(xx = cable length in m)