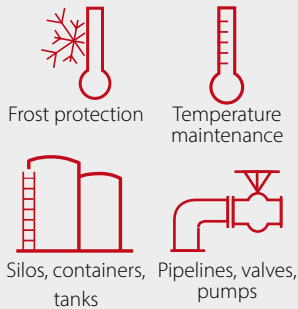


## At a glance

### Applications



- › Power plants
- › Building services
- › Water and sewage plants
- › Industrial plants

### Advantages

- › No static charging
- › Housing: Polyester
- › UV resistant
- › High mechanical resistance
- › Suitable for wall mounting

### Suitable connection

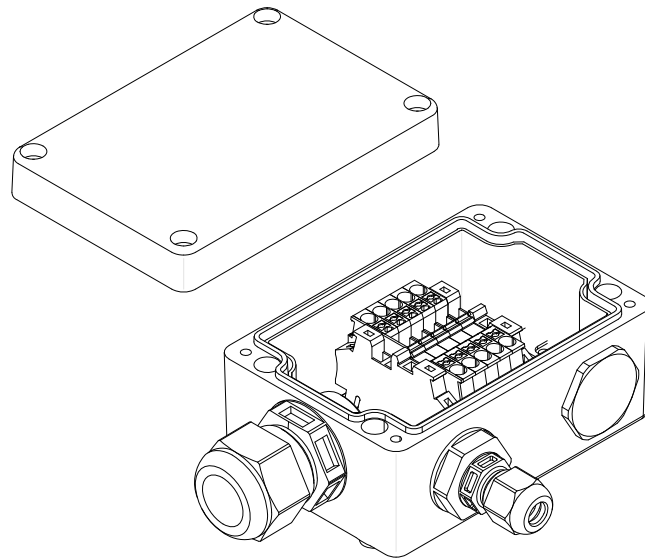
- › 1x sensor PT100

### Approvals



# ELAK-2.80

## Junction box



The junction box ELAK-2.80 is fast and easy to install thanks to its conventional design and offers easy maintenance. The design allows for various configurations. Suitable for wall mounting and can also be installed on pipes & vessels using a mounting fixture.

## Checklist

### Mounting fixtures for pipe mounting

|            |                                                         |         |
|------------|---------------------------------------------------------|---------|
| EL-VSB 300 | Mounting bracket, adjustable 180 to 300 mm, mat. 1.4301 | 0941085 |
| EL-VSB 400 | Mounting bracket, adjustable 280 to 400 mm, mat. 1.4301 | 0941086 |
| ELMW-9     | Mounting bracket, 122 x 120 x 100 mm, mat. 1.4301       | 0941009 |

### Assembly accessories for pipelines

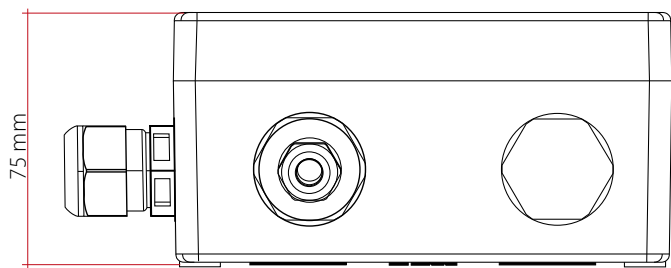
|           |                                                   |            |
|-----------|---------------------------------------------------|------------|
| ELB-15.02 | Hose clamp 16-25 mm (DN 15, 1/2"), mat. 1.4301    | 2723001016 |
| ELB-15.04 | Hose clamp 25-40 mm (DN 25, 1"), mat. 1.4301      | 2723001025 |
| ELB-15.06 | Hose clamp 40-60 mm (DN 40, 1.5"), mat. 1.4301    | 2723001040 |
| ELB-15.09 | Hose clamp 70-90 mm (DN 65, 2.5"), mat. 1.4301    | 2723001070 |
| ELB-15.11 | Hose clamp 90-110 mm (DN 80, 3"), mat. 1.4301     | 2723001090 |
| ELB-13V1  | Threaded strapping tape, 11 mm, 30 m, mat. 1.4301 | 2723001010 |
| ELB-13V2  | Turnbuckle 1.4301 (pkg. = 10 pieces), mat. 1.4301 | 0930042    |

### Mounting fixtures for vessel mounting

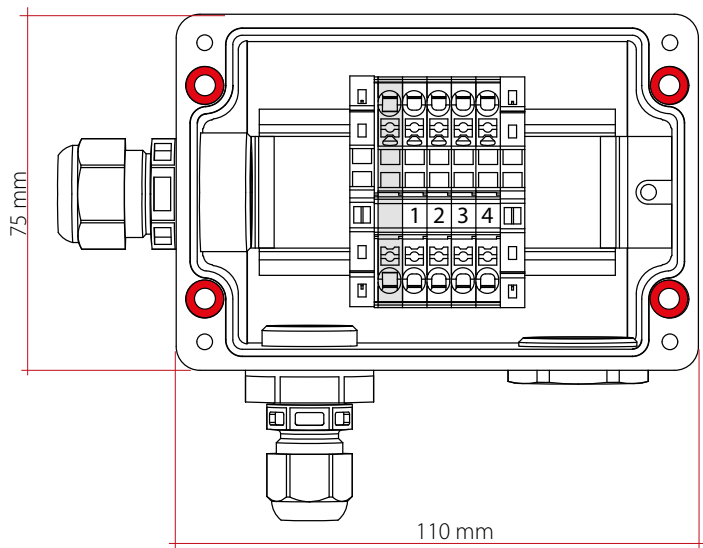
|           |                                                |         |
|-----------|------------------------------------------------|---------|
| ELMW-9.01 | 122 x 120 mm, mat. 1.4301, for vessel mounting | 0941052 |
|-----------|------------------------------------------------|---------|

# Technical Specifications

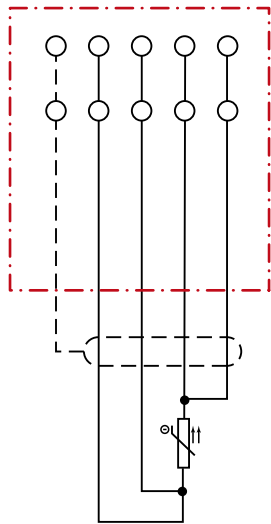
|                                                                                 |                                                                                                                                               |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Max. Operating voltage                                                          | 800 V                                                                                                                                         |
| Max. Nominal current                                                            | 24 A                                                                                                                                          |
| Ambient temperature                                                             | - 40 °C to +100 °C                                                                                                                            |
| Housing material                                                                | Fibreglass-reinforced polyester housing antistatic, grey                                                                                      |
| Protection                                                                      | IP 66                                                                                                                                         |
| Dimensions                                                                      | 110 x 75 x 57 mm (WxHxD),  hole pattern 98 x 45 mm, ø 4.5 mm |
| Connection cross-section<br>(solid or with fine wires without wire end ferrule) | max. 2,5 mm <sup>2</sup> (AWG 13)                                                                                                             |



- 1x M25 blind plug
- 1x cable gland M20x1,5
- 1x cable gland M12x1,5
- 1x reduction M25 to M20
- 1x reduction M20 to M12
- 4x feed-through terminal PT2,5
- 1x ground terminal block PT2,5 PE



 Clamp for earthing or electrical protection



Connection of 1 PT100 4-wire

# Ordering Information

| Type      | Suitable connection | Item no. |
|-----------|---------------------|----------|
| ELAK-2.80 | 1 sensor PT100      | 092B280  |