



## At a glance

### Applications



Frost protection



Temperature maintenance



Silos, containers, tanks



Pipelines, valves, pumps

- › Potentially explosive areas
- › Power plants
- › Chemical industry
- › Petrochemical industry
- › Oil and gas industry
- › Pharmaceutical industry
- › Plastics industry

### Advantages

- › No static charging
- › Housing: Polyester
- › Suitable for wall mounting

### Suitable connection

- › Suitable for connection of up to 2 x Pt100 4-wire / double PT100 temperature sensors

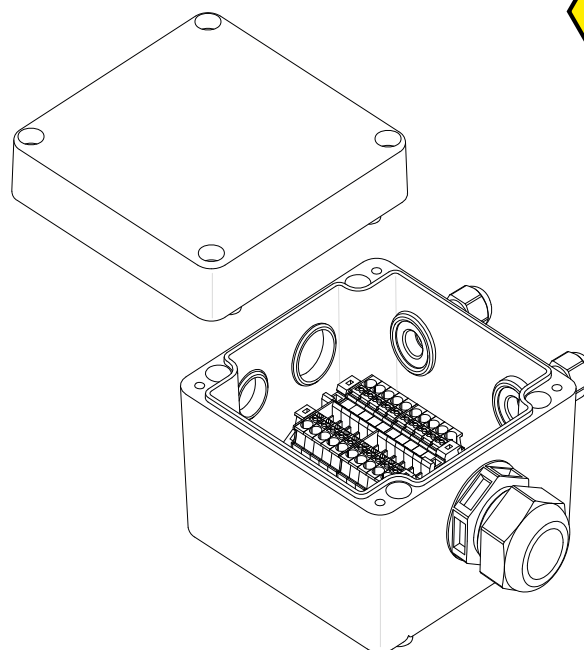
### Approvals



- › CML 21 ATEX 3429 X
- › IECEx CML 21.0061 X
- › CML 21 UKEX 3430 X

# ELAK-Ex-4.80

## Junction Box for PT100



The junction box ELAK-Ex-4.80 is fast and easy to install thanks to its conventional design and offers easy maintenance. The design allows for different configurations as well as operation in explosive atmospheres. Suitable for wall mounting and can also be installed in pipes with the aid of a mounting fixture.

## Checklist

### Mounting fixtures for pipe mounting

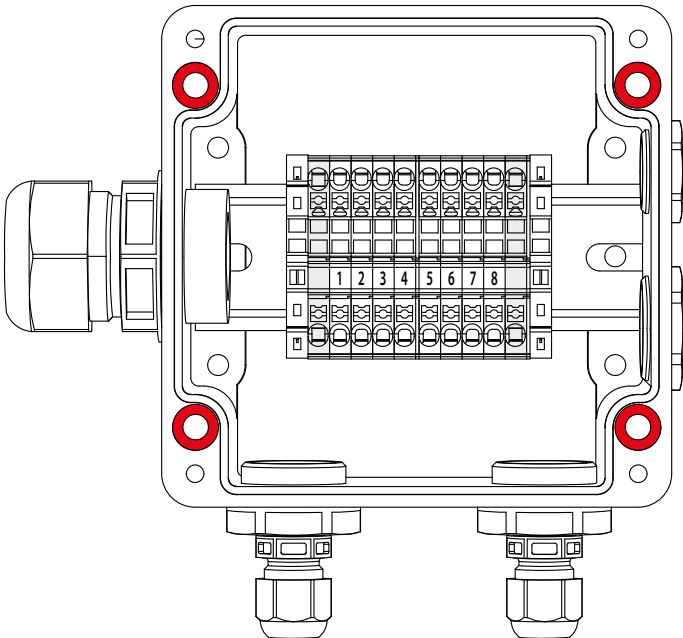
|            |                                                         |         |
|------------|---------------------------------------------------------|---------|
| EL-VSB 300 | Mounting bracket, adjustable 180 to 300 mm, mat. 1.4301 | 0941085 |
| EL-VSB 400 | Mounting bracket, adjustable 280 to 400 mm, mat. 1.4301 | 0941086 |

### 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    |

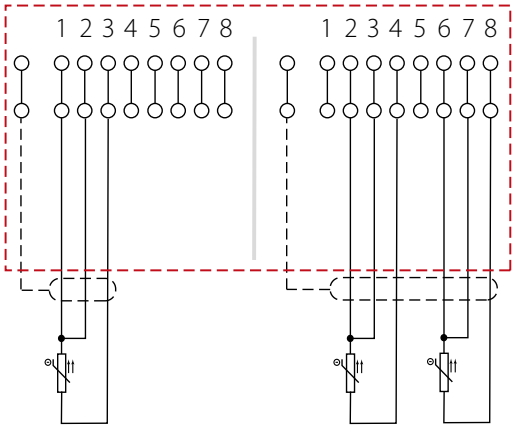
Technical Specifications

|                                                                                 |                                                                                                                                                 |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage (max.)                                                        | 550 V                                                                                                                                           |
| Nominal current                                                                 | 24 A                                                                                                                                            |
| Ambient temperature                                                             | - 40 °C to 55 °C                                                                                                                                |
| Housing material                                                                | Fibreglass-reinforced polyester housing antistatic, black                                                                                       |
| Protection                                                                      | IP 66                                                                                                                                           |
| Dimensions                                                                      | 122 x 120 x 90 mm (WxHxD),  hole pattern 106 x 82 mm, ø 6.5 mm |
| Connection cross-section<br>(solid or with fine wires without wire end ferrule) | max. 2.5 mm <sup>2</sup> (AWG 13)                                                                                                               |



- › 1x M20 blind plug
  - › 1x cable gland M25 x 1,5
  - › 1x reduction M32 to M25
  - › 1x M25 blind plug\*
  - › 1x M25 blind plug
  - › 2x reduction M25 to M12
  - › 2x cable gland M12 x 1,5
  - › 2x ground terminal PT2,5-PE
  - › 8x feed-through terminal PT2,5
- \*Enclosed, loose


 Clamp for earthing or electrical protection



Ordering Information

| Type                | Suitable connection                                      | Item no. |
|---------------------|----------------------------------------------------------|----------|
| ELAK-Ex-4.80 / Ex e | junction box for 1 to 2 PT100 [e] or 1x double PT100 [e] | 0X85480  |