

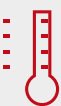


At a glance

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

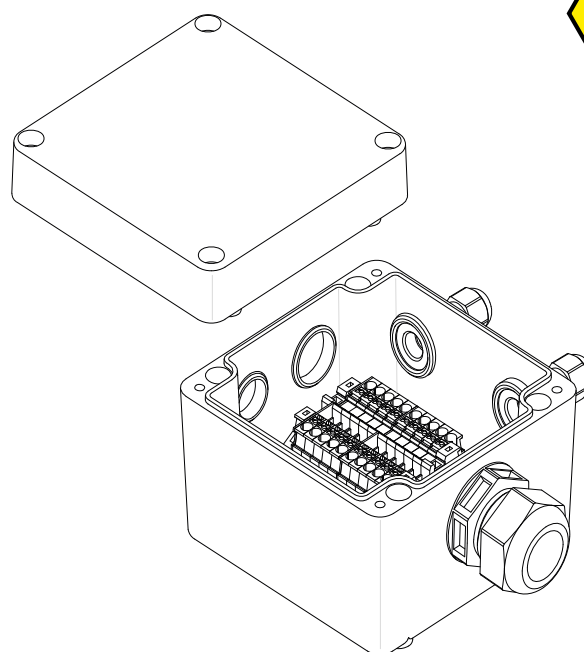
Approvals



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

ELAK-Ex-4.80i

Junction Box for PT100



The junction box ELAK-Ex-4.80i 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

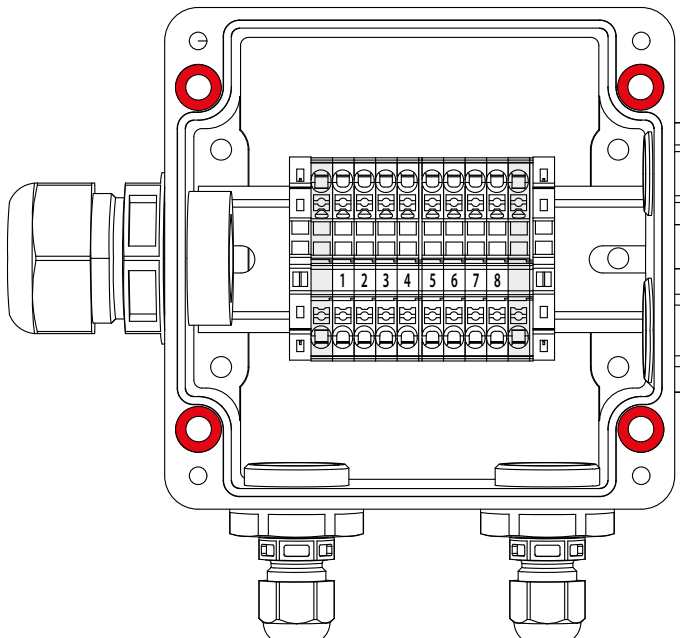
EL-VSB 300	Mounting bracket, adjustable 180 to 300 mm, mat. 1.4301	0941085
EL-VSB 400	Mounting bracket, adjustable 280 to 400 mm, mat. 1.4301	0941086

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

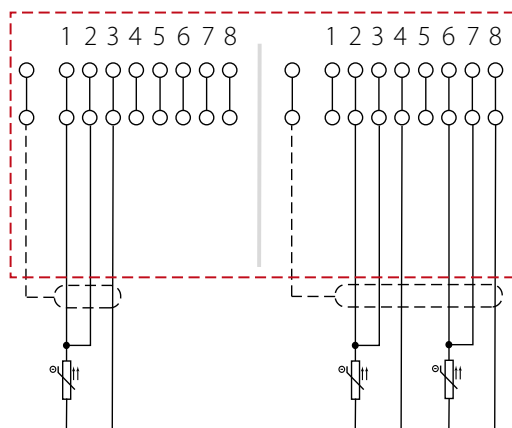
Operating voltage (max.)	550 V
Nominal current	24 A
Ambient temperature	- 40 °C to 55 °C
Housing material	Fibreglass-reinforced polyester housing antistatic, black
Protection	IP 66
Dimensions	122 x 120 x 90 mm (WxHxD),  hole pattern 106 x 82 mm, ø 6.5 mm
Connection cross-section (solid or with fine wires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



- 1x M20 blind plug
- 1x cable gland M25 x 1,5 blue
- 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 blue
- 2x ground terminal PT2,5-PE
- 8x feed-through terminal PT2,5 BU

*Enclosed, loose

 Clamp for earthing or electrical protection



Ordering Information

Type	Suitable connection	Item no.
ELAK-Ex-4.80 / Ex i	junction box for 1 to 2 PT100 [i] or 1x double PT100 [i]	0X85480IB