

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

- › 2 heating cable ELK-AG serial resistance heating cable
- › 1 supply line

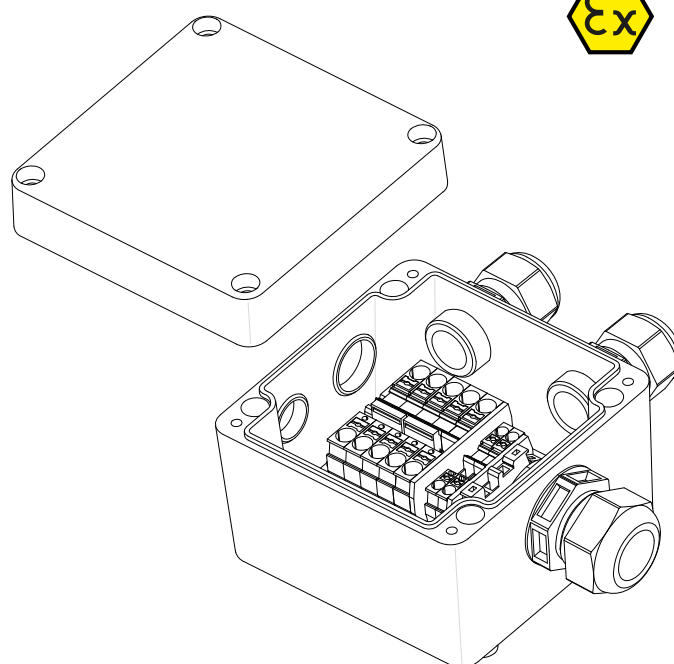
Approvals



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

ELAK-Ex-4.12

Junction Box for ELK-AG



The junction box ELAK-Ex-4.12 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

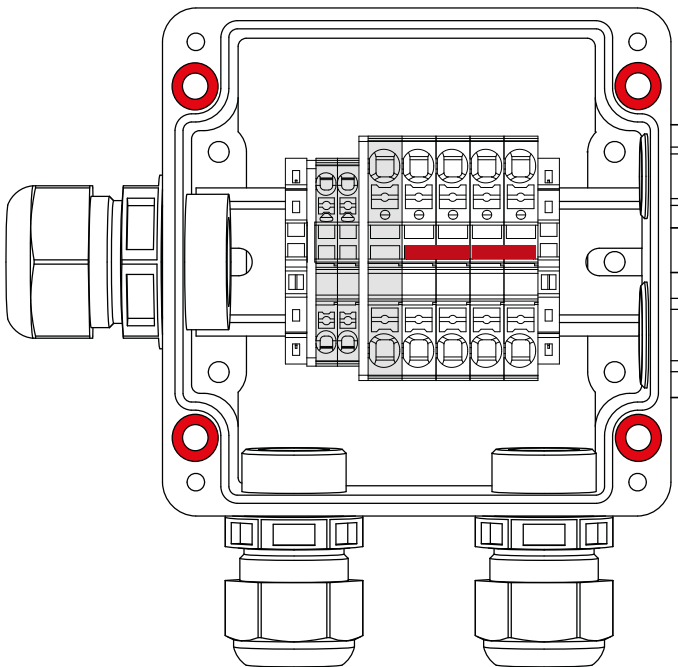
EL-VSB 300	Mounting bracket, adjustable 180 to 300 mm, mat. 1.4301	0941085
EL-VSB 400	Mounting bracket, adjustable 280 to 400 mm, mat. 1.4301	0941086

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

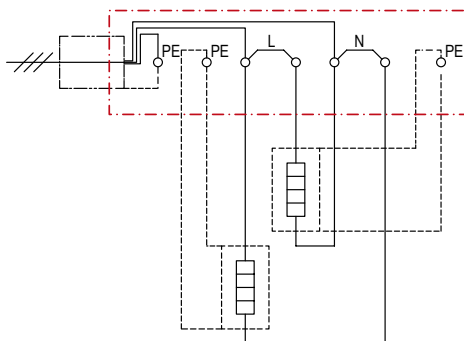
Operating voltage (max.)	550 V
Nominal current	Depends on the application
Ambient temperature	- 40 °C to 40 °C/55 °C/90 °C in T6/T5 (note maximum power loss)
Housing material	Fibreglass-reinforced polyester housing antistatic, black
Protection	IP 66
Dimensions	122 x 120 x 90 mm (WxHxD),  hole pattern 106 x 82 mm, ø 6.5 mm
Connection cross-section (solid or with fine wires without wire end ferrule)	Supply line max. 10 mm ² , 9 - 21 mm diameter



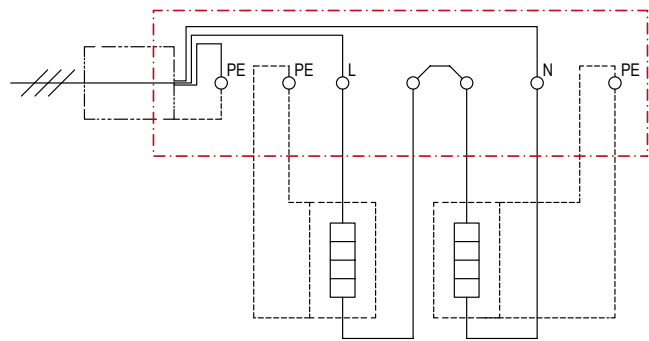
- 1x M25 blind plug
- 1x M20 blind plug
- 1x cable gland M25 1-fold*
- 1x cable gland M32 1-fold
- 2x cable gland M25 2-fold
- 1x reduction M32 to M25*
- 4x feed-through terminal PT6
- 1x ground terminal block PT6-PE
- 2x ground terminal block PT2.5-PE

*Enclosed, loose

-  Clamp for earthing or electrical protection
-  Jumper (removable)



Connected in parallel



Connected in series

Ordering Information

Type	Suitable connection	Item no.
ELAK-Ex-4.12 / Ex e	2 heating cables ELK-AG	0X85412