

At a glance

Applications



Frost protection



Temperature maintenance



Silos, containers, tanks



Pipelines, valves, pumps

- › Building technology
- › Water and wastewater systems
- › Industrial plants that require frost protection or process temperatures

Advantages

- › No mounting bracket required
- › No static charging
- › Snap lock = close the cover without using a tool
- › Special shape ensures high stability and robustness

Suitable connection

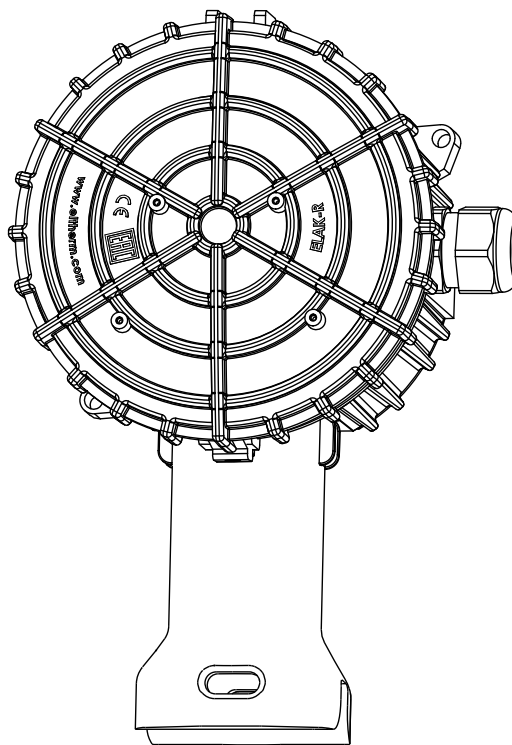
- › Up to 3 heating cables ELSR,
- › Up to 3 heating cables ELKM-AE
- › Up to 3 heating cables ELKM-AG
- › Up to 2 PT100
- › 1 supply line

Approvals



ELAK-RS

Junction Box for ELSR & ELKM



This innovative junction box incl. mounting base was specially designed for pipe mounting and offers many advantages. For example, the cable that is led in only has to be bent slightly thanks to the shape of the box. This protects the cable against damage. Thanks to the integrated mounting base, no mounting bracket is needed for pipe mounting. This is especially advantageous with pipe trace heating systems, since the cable can be led in directly through the mounting base. No more screw connections are required for heating conductors and sensors. The unique snap lock makes it possible to close the cover without using a tool. A safety screw connection with enclosed tool prevents the cover from moving or being opened by unauthorised persons. Additional fastening possibilities for identification plates make it possible to label heating circuits reliably in complex systems.

Checklist

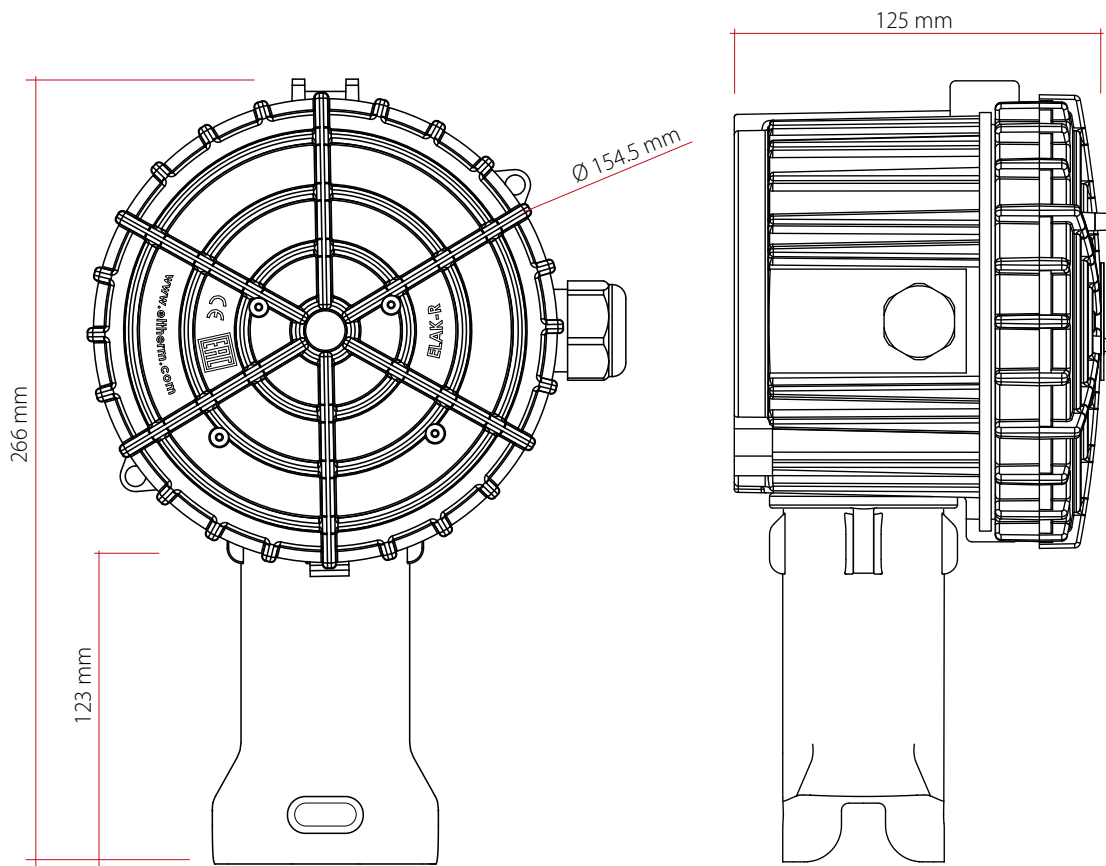
Assembly Accessories

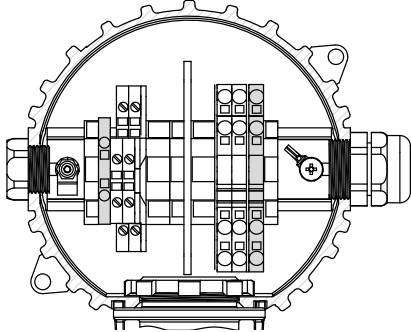
ELB-15.02	Hose clamp 16-25 mm (DN 15, 1/2"), mat. 1.4301	2723001016
ELB-15.04	Hose clamp 25-40 mm (DN 25, 1"), mat. 1.4301	2723001025
ELB-15.06	Hose clamp 40-60 mm (DN 40, 1.5"), mat. 1.4301	2723001040
ELB-15.09	Hose clamp 70-90 mm (DN 65, 2.5"), mat. 1.4301	2723001070
ELB-15.11	Hose clamp 90-110 mm (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

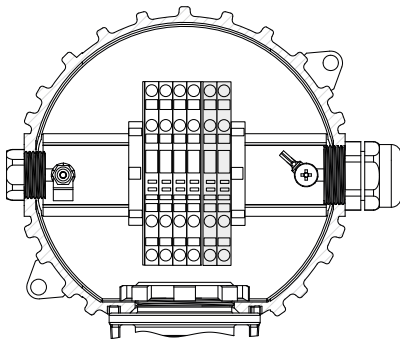
Operating voltage (max.)	800 V AC
Nominal current	Max 32 A per terminal 6 mm ² (max. 24 A ELAK-RS-Pt)
Ambient temperature	- 45 °C to +50 °C
Connection cross-section*	Supply line max. 6 mm ² , 9 - 17 mm diameter
Housing material	Polyamide, RAL 7043 traffic grey
Dimensions	(approx.) Ø 154.5 mm, height 125 mm
Protection	IP 65
Operating temperature of mounting base	max. +200 °C
Material of mounting base	PPS
Max. insulation thickness	100 mm
Min. pipe diameter	≥ NW3/4" / AD 20 mm
Weight	approx. 0.7 kg

* Connection cross-section (solid or with fine wires without wire end ferrule); terminal heating cable max. 6 mm² (AWG10); Terminal temperature sensor max. 2.5 mm² (AWG 13)

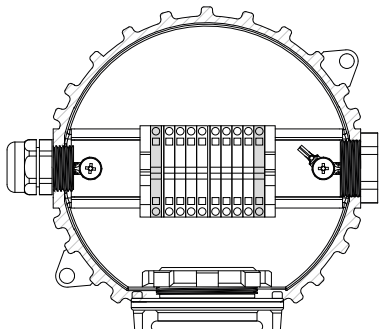




Terminal for earthing or electrical protection



Terminal for earthing or electrical protection



Terminal for earthing or electrical protection

ELAK-RS

Type	Qty.	Clamp range
Blind plug M20x1,5	1	-
Cable gland M20x1,5 *	1	9 - 12 mm
Blind plug M25x1,5 *	1	-
Cable gland M25x1,5	1	9-13/12-17 mm
Protective earth terminal	1	2.5 mm ²
Double-deck terminal	2	2.5 mm ²
4-wire Protective earth terminal	1	4 mm ²
4-wire Feed-through terminal	2	4 mm ²

* loosely enclosed

ELAK-RS-T

Type	Qty.	Clamp range
Blind plug M20x1,5	1	-
Cable gland M25x1,5	1	9-13/12-17 mm
Blind plug M25x1,5 *	1	-
4-wire Protective earth terminal	2	4 mm ²
4-wire Feed-through terminal	4	4 mm ²

* loosely enclosed

ELAK-RS-Pt

Type	Qty.	Clamp range
Blind plug M25x1,5	1	-
Cable gland M25x1,5 *	1	9-13/12-17 mm
Cable gland M20x1,5	1	6-12 mm
Protective earth terminal	3	2.5 mm ²
Feed-through terminal	8	2.5 mm ²

* loosely enclosed

Note: The ELAK-R system does not include connection and termination sets. Please order these separately according to the Type of heating tape you are using.

Ordering Information

Type	Suitable connection	Item no.
ELAK-RS	Junction box incl. mounting base, for 3 ELSR-N/-LS/-H/-SH/-SHH, 1 supply line, 1 sensor line	0920050
ELAK-RS-T	Junction box incl. mounting base, for splice or T-connection, up to 3 ELSR-N/-LS/-H/-SH/-SHH	0920059
ELAK-RS-Pt	Junction box incl. mounting base, for 1 Pt100 2-4 wires & sensor connection line max. 2.5 mm ²	0920060