

JUNCTION BOX, STAINLESS STEEL



- AISI 304 STAINLESS STEEL · IP67
- UP TO 4 OR 8 LOAD CELLS
- EQUALIZATION OR PARALLEL



VERSIONS

Version	Board	Load cells	Cable entries	Surge protection
EALA-01	Equalization	up to 4	4 + 1 cable glands M16 × 1.5	yes
EALA-02	Equalization	up to 8	8 + 1 cable glands M16 × 1.5	yes
EALA-03	Equalization	up to 4	4 + 1 cable glands M12 × 1.5	–
EALA-04	Parallel	up to 4	4 + 1 cable glands M12 × 1.5	–

Polyamide cable glands with plugs. Manufacturer types: EALA-01 L-CE41INOX · EALA-02 L-CE81INOX · EALA-03 L-CE41INOXP · EALA-04 L-C41INOXP.



DESCRIPTION AND TECHNICAL DATA

DESCRIPTION

- Junction box for load cells
- AISI 304 stainless steel case, IP67
- Load cells with 4 or 6 wires
- Equalization or parallel connection board
- Surge protection on EALA-01 and EALA-02



IP67
-20 ...
+60 °C
AISI 304

TECHNICAL DATA

Case	AISI 304 stainless steel
Protection rating	IP67
Operating temperature	-20 ... +60 °C
Load cells	4 or 6 wires · up to 4, EALA-02 up to 8
Cable entries	polyamide cable glands with plugs · M16 × 1.5 (EALA-01, EALA-02), M12 × 1.5 (EALA-03, EALA-04)
Surge protection	lightning and electrical shock protection device (EALA-01, EALA-02)
Dimensions	EALA-01 144 × 142 × 42 mm · EALA-02 200 × 149 × 43 mm · EALA-03, EALA-04 176 × 90 × 42 mm
Mounting	4 × Ø 8 mm, centre distance 112 × 128 mm (EALA-01) or 147 × 135 mm (EALA-02) · EALA-03, EALA-04 see drawing
Potentiometers	one per load cell; EALA-03: 20 Ω
Condition for equalization	difference between the sensitivities not greater than 0.1 mV at 2 mV/V, 0.15 mV at 3 mV/V
Compliance	CE · UKCA (United Kingdom) · EAC (Eurasian Customs Union)

TERMINALS

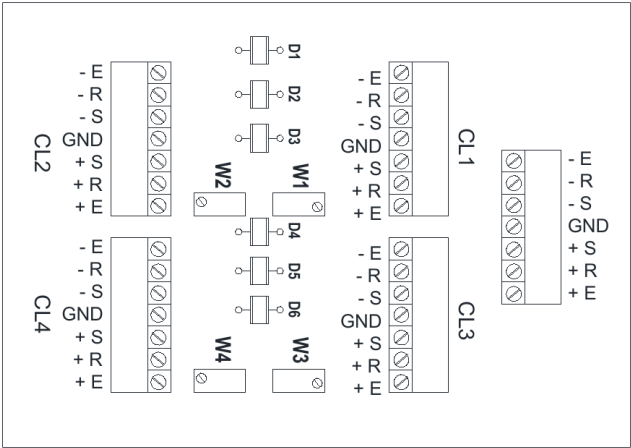
+E · -E	Excitation + · -
+S · -S	Signal + · -
+R · -R	Reference (sense) + · -
GND	Shield
CL1 ... CL4	terminal blocks of the load cells (EALA-01, EALA-03, EALA-04)
W1 ... W8	equalization potentiometers, one per load cell

The unnumbered terminal block leads to the amplifier or indicator.

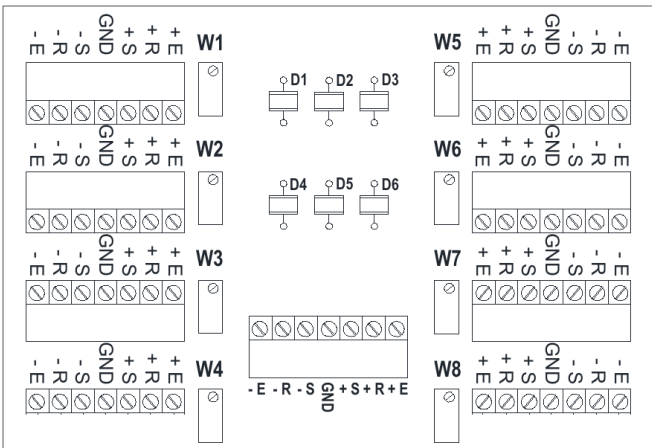


TERMINAL LAYOUT

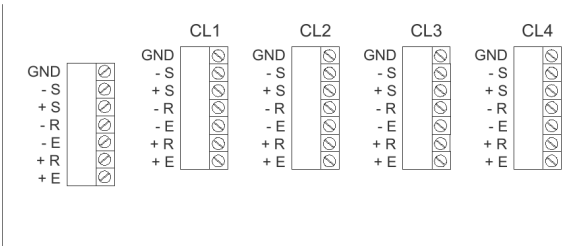
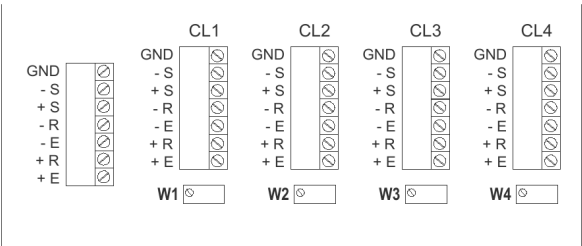
EALA-01



EALA-02

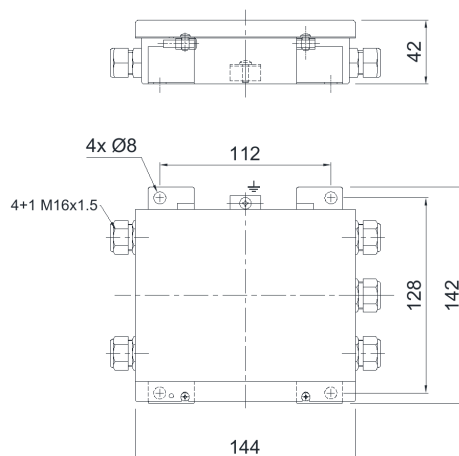


EALA-03 (left) • EALA-04 (right)

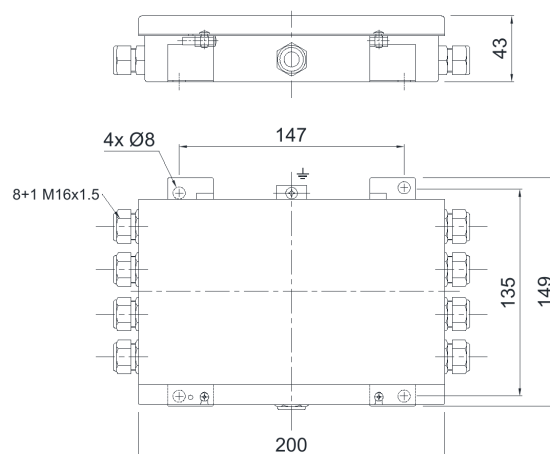


DIMENSIONS (mm)

EALA-01



EALA-02



EALA-03 · EALA-04

