

## End unit L11-E2

### Ordering data

Designation	Type	Item no.
End unit with connecting cable	L11-E2	128 813 41 AX
End unit with plug-in connection	L11-E2	128 813 41 01 AX



- **Monitoring of the DC line voltage**
- **Feeding of direct voltage to the WL line for line monitoring purposes**
- **Visual indicator element for DC monitoring (LED)**
- **WL wire termination of a L111 system line**
- **DC wire connection: protected against polarity reversal**
- **Connection of the WL wires: protected against polarity reversal**
- **Protection type: EEx ia I**

### Configuration

The end unit L11-E2 serves as line termination of L111 loudspeaker systems and consists of a cylindrical metal enclosure containing a circuit board which is embedded in sealing compound and carries electronic components.

The intrinsically safe supply and signal circuit is led out of the housing and the compound via a permanently fixed line (length up to 2 m and free line ends, optionally with a plug-in connection).

This connecting cable connects the end unit L11-E2 with the last device of the corresponding L111 system. The related mounting bracket enables its secure fixing to or near the last device of the system.

A yellow LED on the enclosure front end indicates that an adequate supply voltage exists.

### Functional description

The end unit L11-E2 of the L111 loudspeaker system monitors the voltage of the DC wires at the end of the L111 system line.

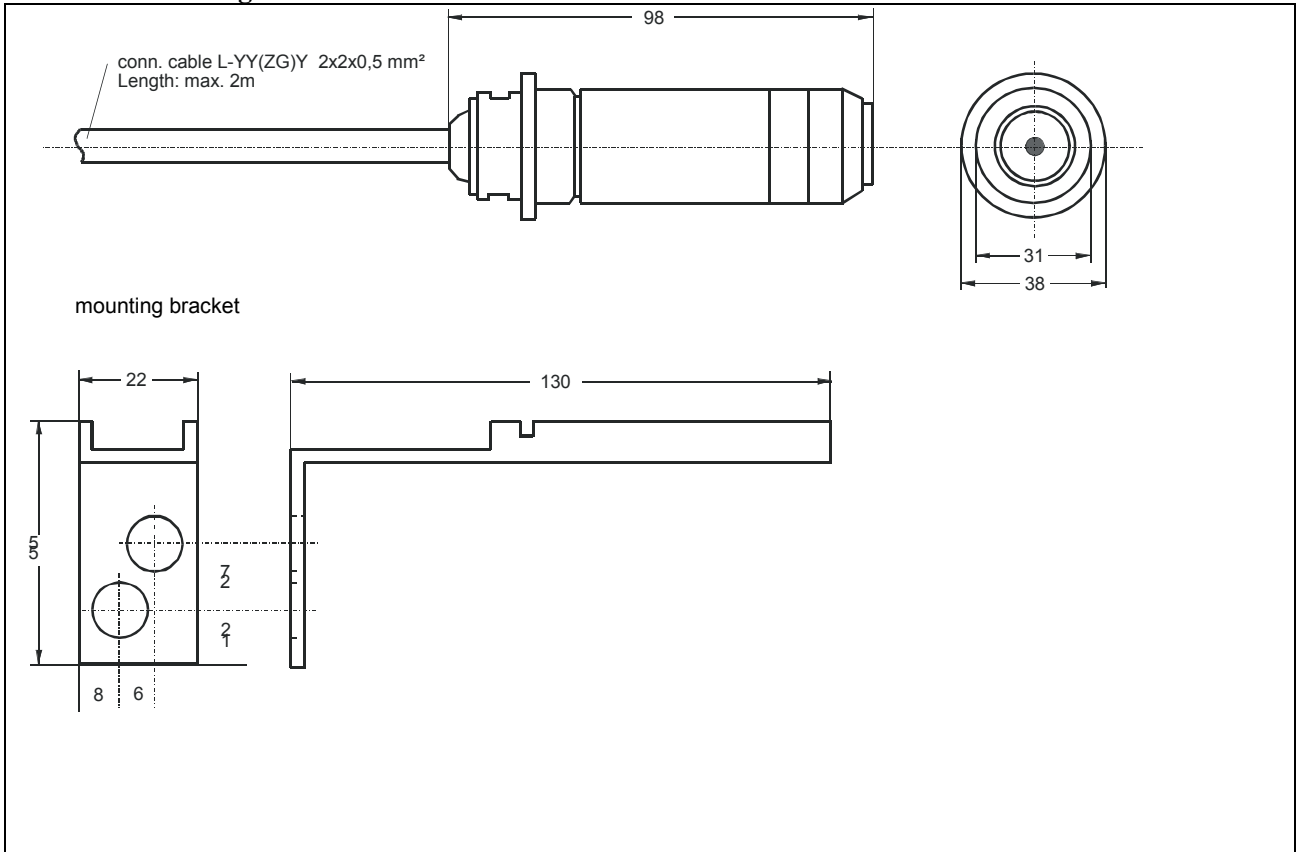
A comparator circuit detects a minimum level of 8 VDC. If the voltage value is > 8 VDC, the yellow DC indicator element (LED) is on.

At the same time, the end unit L11-E2 appropriately terminates the WL wires of the L111 system line with the corresponding surge impedance without reflectance.

By 2 resistors, DC voltage is injected into the WL wires from the DC circuit within the end unit L11-E2.

A comparator circuit in the main station L11-H2 evaluates this DC voltage, and the LF circuit loop thus created is monitored for its correct functioning.

**Dimension drawing L11-E2**



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