

# XKC 251, 252, 256 Load Cell Junction Box

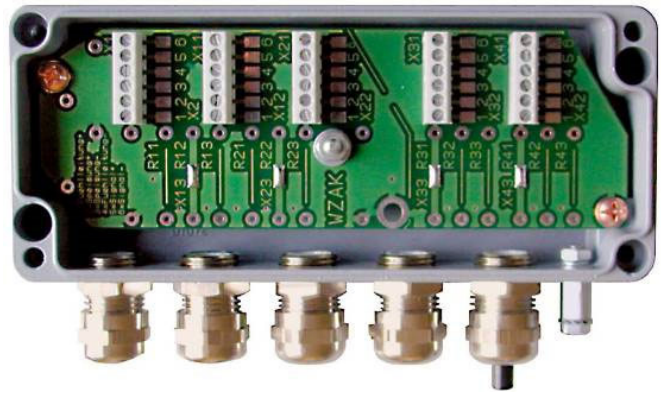
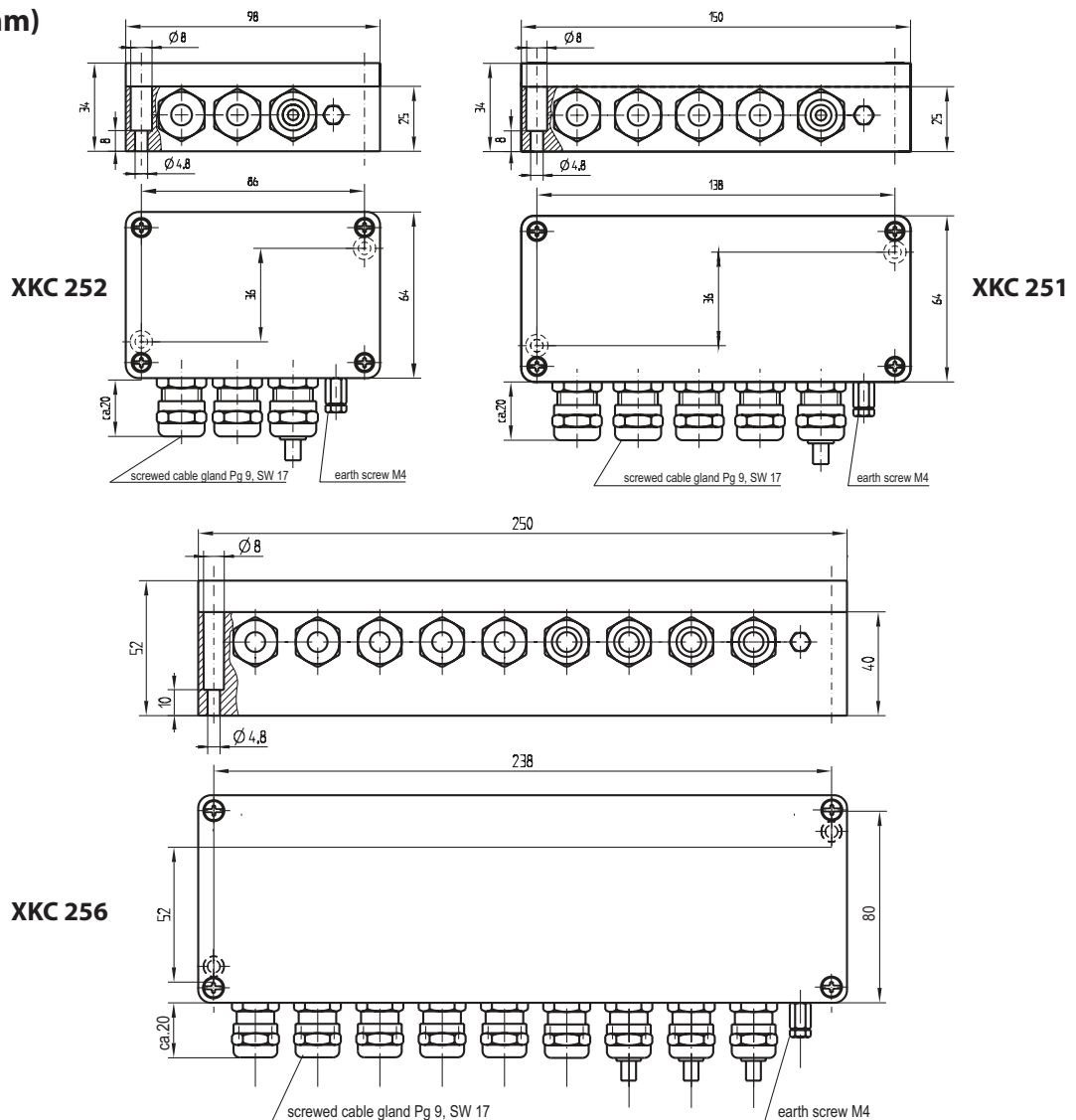
## Applications

- Universally applicable in force measuring and weighing technology
- Connects up to 8 load cells in parallel
- Easy adjustment

## Features

- Allows adjustment of imbalances in sensitivities by installing resistors
- EMV-proof cable bushings
- aluminum die cast
- Environmental protection IP65

## Dimensions (mm)



## Specifications

| Connection                                     |                 | XKC 252   | XKC 251       | XKC 256       |
|--|-----------------|---|---------------|---------------|
| Number of load cell inputs                     |                 | 2   | 4             | 8             |
| - Load Cell                                    |                 | 6-wire configuration (operating as a 4-wire system)<br>6-wire configuration<br>either by soldering or by clamping   |               |               |
| - Instrument                                   |                 |   |               |               |
| - Type of connection                           |                 |   |               |               |
| Cable  |                 |   |               |               |
| Cable diameter                                 | mm              | 4 ... 8   |               |               |
| <b>Wires</b>                                   |                 |   |               |               |
| Wire cross-sectional area                      | mm <sup>2</sup> | 0,14 ... 1,5  |               |               |
| Wire sleeves for clamped connection            | mm <sup>2</sup> | 0,25  |               |               |
| Balancing facilities                           |                 | up to 3 parallel resistors per load cell can be inserted<br>through earth screw M4<br>40<br>gas-discharge tubes or TransZorb can be added on<br>10 (26 .. 1000 MHz) |               |               |
| Potential equalisation                         |                 |   |               |               |
| Disruptive strength                            | V               |   |               |               |
| Over voltage protector                         |                 |   |               |               |
| Interference immunity                          | V/m             |   |               |               |
| Environmental conditions                       |                 |   |               |               |
| Operating temperature range                    | °C              | - 30 ... +70  |               |               |
| Construction                                   |                 |   |               |               |
| Enclosure                                      |                 | aluminum die cast, powder coated RAL7001  |               |               |
| Dimensions (L x B x H)                         | mm              | 98 x 64 x 34  | 150 x 64 x 34 | 250 x 80 x 52 |
| Environmental protection according to EN 60529 |                 | IP 65   |               |               |

## Order Example

| Type code | Description  |
|-----------|--|
| XKC 252   | junction box for parallel connection of up to 2 load cells |
| XKC 251   | junction box for parallel connection of up to 4 load cells |
| XKC 256   | junction box for parallel connection of up to 8 load cells |