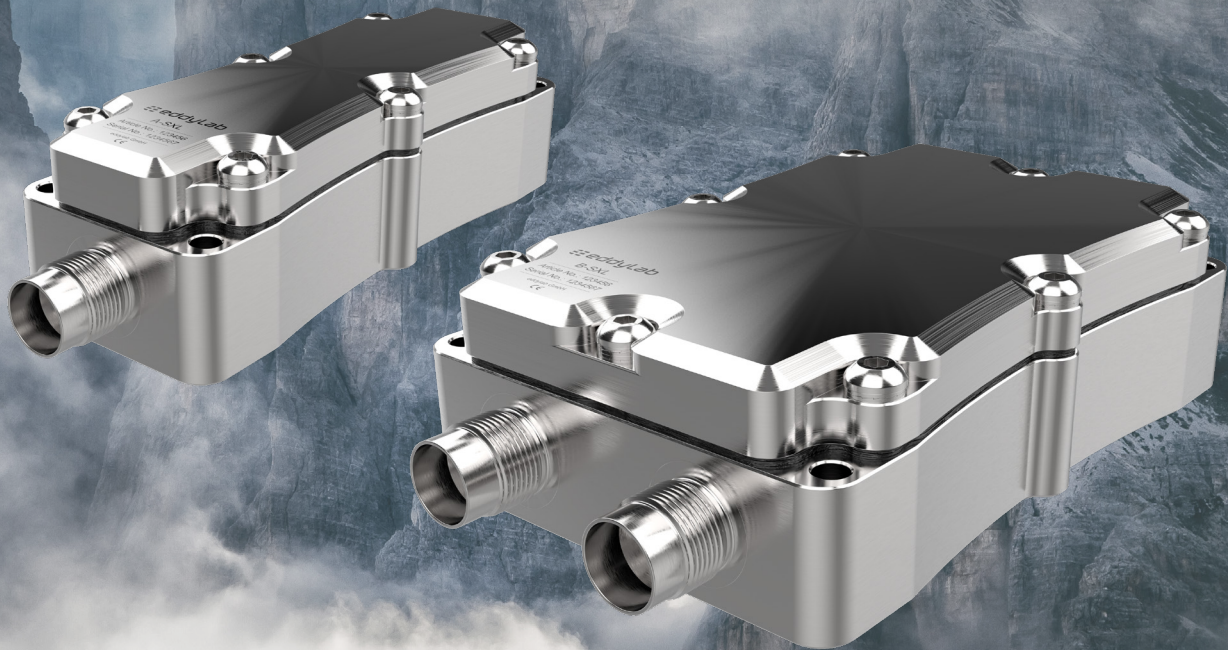




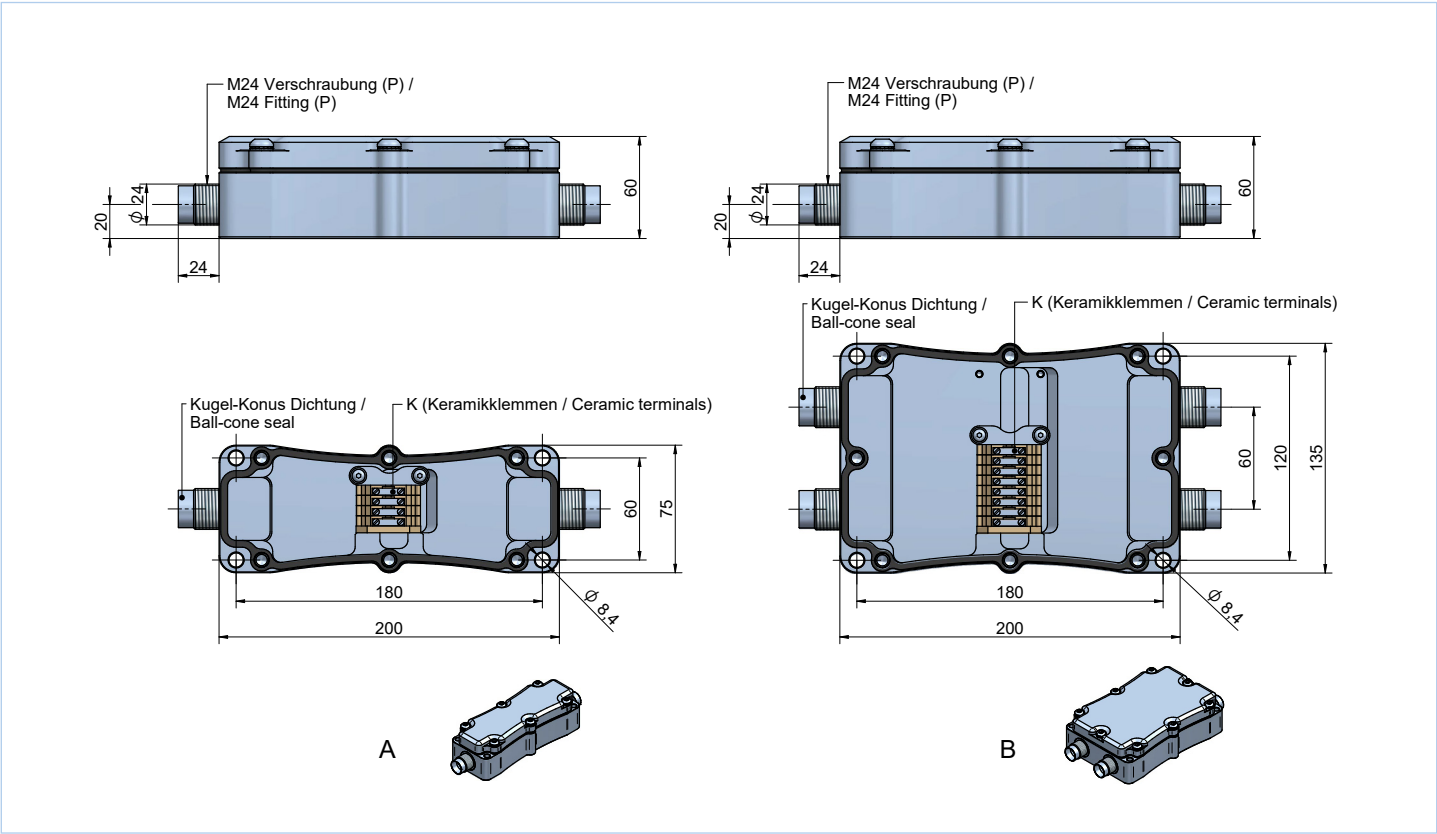
## JUNCTION BOX

The Junction Box is an extreme-robust wall or floor mounted box with ceramic terminals for low voltage applications. Predestined for use in high temperature and high radiation environments.

- High temperature resistance
- Stainless steel housing
- Hermetically sealed
- Radiation resistant
- High dynamics
- High noise immunity

JUNCTION BOX

■ TECHNICAL DRAWING JUNCTION BOX



■ TECHNICAL DATA JUNCTION BOX

| JUNCTION BOX                              | M24 TYPE A                                              |      | M24 TYPE B |  |
|-------------------------------------------|---------------------------------------------------------|------|------------|--|
| General                                   |                                                         |      |            |  |
| Material housing                          | Stainless steel, 1.4301                                 |      |            |  |
| Construction                              | Stainless steel housing, graphite gasket                |      |            |  |
| Mounting method                           | 4 x M8 Screw                                            |      |            |  |
| Screw type                                | Hexagon Socket Button Head Screw ISO 7380-1 - M8 x 60   |      |            |  |
| Washer type                               | Nord-Lock wedge-locking washers                         |      |            |  |
| Connector (P)*                            | Ceramic terminals, self sealing M24 threaded connection |      |            |  |
| Humidity                                  | up to 100 %                                             |      |            |  |
| Operating temperature range               | -25...+150 °C                                           |      |            |  |
| Vibration ZPA (Zero Period Acceleration)  | 10 g                                                    |      |            |  |
| Shock                                     | 30 g/ 11 ms                                             |      |            |  |
| Protection class                          | IP68                                                    |      |            |  |
| Pressure resistance                       | 10 bar                                                  |      |            |  |
| Radiation                                 | 250 kGy / 1 kGy/h                                       |      |            |  |
| Radiation LOCA                            | 600 kGy / 1 kGy/h                                       |      |            |  |
| Amount of ceramic terminals (K)           | 4                                                       | 8    | (14)       |  |
| Weight (approx.) [g]                      | 4000                                                    | 6750 | (6900)     |  |
|                                           |                                                         |      |            |  |
| Ceramic terminals                         |                                                         |      |            |  |
| Rated cross-section with wire-end ferrule | 0,25...2,5 mm²                                          |      |            |  |
| Connecting method                         | Screw connection                                        |      |            |  |
| Wire-end ferrule (mandatory)              | Non-insulated, 10 mm long                               |      |            |  |
| Tightening torque                         | 0,5 Nm                                                  |      |            |  |
| Tightening screw                          | M3, slot head (bit with blade width 3mm)                |      |            |  |
| Material                                  | Ceramics                                                |      |            |  |

\*Versions for M32 and M48 threaded connectors available on request





