



## Acceleration sensor 911



# Acceleration sensor 911

- Simple installation
- ICP supply for BM911 and BM911t
- For our vibration monitors BSW a-s-2, BSW a-s-3, BNM1
- Incl. M8 fixing screw
- Measuring direction in longitudinal axis of the fixing screw

## Technical Data

|                                  |                                                                   |
|----------------------------------|-------------------------------------------------------------------|
| Sensitivity (±5%)                | 10,2 V / (m/s <sup>2</sup> )                                      |
| Measuring range                  | 490 m/s <sup>2</sup>                                              |
| Frequency range ±3 dB            | 1 – 600 Hz                                                        |
| Non-linearity                    | ±1 %                                                              |
| Overload capacity                | 1000 m/s <sup>2</sup>                                             |
| Temperature range                | -20 ... 85 °C                                                     |
| Protection class                 | IP 65                                                             |
| Supply voltage                   | 18 ... 28 V DC                                                    |
| Output resistance                | < 100 Ohm                                                         |
| Constant current supply ICP      | 2 ... 20 mA                                                       |
| Bias voltage                     | 8 ... 12 V DC                                                     |
| Insulation resistance            | > 1000 M Ohm                                                      |
| Width across flats               | 8 mm Imbus                                                        |
| Weight                           | 0,72 kg                                                           |
| Installation hole                | M 8                                                               |
| Tightening torque                | 2,7 ... 6,8 Nm                                                    |
| Sensor element                   | Capacitive                                                        |
| Housing material                 | V 2 A                                                             |
| Connection cable                 | Integrated                                                        |
| Cable length                     | 5 m                                                               |
| Wire colours Acceleration sensor | + white, - green                                                  |
| Core colours BM911t<br>For BNM1  | + Supply brown<br>- Supply yellow<br>+ Input pink<br>- Input grey |
| PC Coverage ratio                | 99 %                                                              |