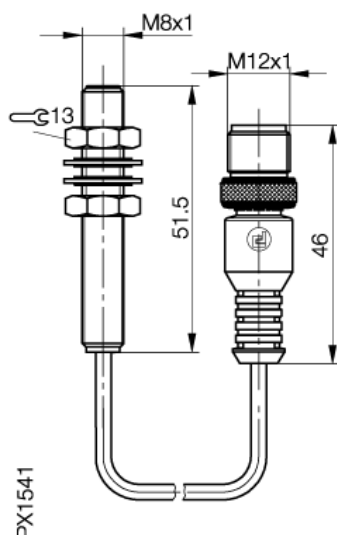


**BAW M08EI-UAD15B-BP00,2-GS04**  
**Inductive Distance Sensors**

**Working range 0,5...1,5 mm**  
**Output signal 0...10 V**



**Electrical data:**

|                                          |                      |
|------------------------------------------|----------------------|
| Output voltage sl max                    | 10 V                 |
| Output voltage sl min                    | 0 V                  |
| Cutoff frequency (-3dB output amplitude) | 1000 Hz              |
| Load resistance min (RL)                 | 2000 Ohm             |
| Output voltage at se                     | 5 V                  |
| Temperature compensation                 | no                   |
| Linear range max (sl)                    | 1,5 mm               |
| Linear range min (sl)                    | 0,5 mm               |
| Non-linearity                            | ±3 µm                |
| Connection                               | cable with connector |
| Rated operational voltage DC             | 24 V                 |
| Rated insulation voltage (Ui)            | 250 AC               |
| Electrical type                          | DC                   |
| No-load supply current Io at le          | 8 mA                 |
| Supply voltage ripple                    | 15 %                 |
| Switching element function               | 0...10 V             |
| Supply voltage max. (Ub)                 | 30 V                 |
| Supply voltage min. (Ub)                 | 15 V                 |

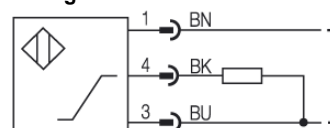
**General data:**

|                             |        |
|-----------------------------|--------|
| Supply voltage indicator    | no     |
| Degree of protection IP     | IP 67  |
| Insulation class            | 2      |
| Recommended connector       | BKS_19 |
| Polarity reversal resistant | yes    |
| Protected against reversal  | yes    |

**Mechanical data:**

|                                 |                            |
|---------------------------------|----------------------------|
| Midpoint of linear range (se)   | 1 mm                       |
| Cable code designation          | LifY-11Y-0                 |
| Cable length                    | 0,2 m                      |
| Connection type                 | M12x1-S04                  |
| Mounting                        | flush mountable            |
| Ambient temperature max (Ta)    | 70 °C                      |
| Ambient temperature min (Ta)    | -10 °C                     |
| Sensing face material           | PBTP                       |
| Housing material                | corrosion resistance Steel |
| Cable sheath material           | PUR                        |
| Repeatability                   | 3 %                        |
| Cable diameter D                | 3 mm                       |
| Midpoint tolerance at se        | ±0,10 mm                   |
| Working area max (sa)           | 1,5 mm                     |
| Working area min (sa)           | 0,5 mm                     |
| Time delay before available max | 1 ms                       |
| Adjustment indicator            | no                         |

**Wiring:**



**Pinout:**

