

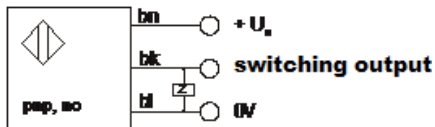
design **M8 x 1**

sensing range flush 1.5mm

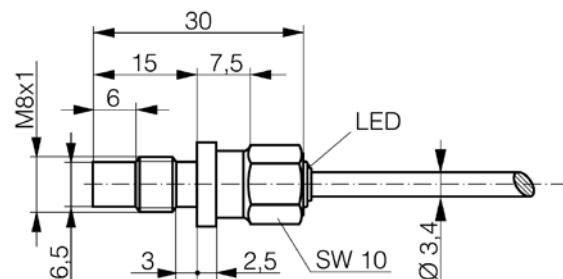
- ✓ 500bar permanent high-pressure resistant
- ✓ 1 million pressure cycles
- ✓ operational reliability for peak pressures up to 1000bar
- ✓ stainless steel housing with robust ceramic disk
- ✓ high degree of protection IP68

technical data

| | |
|-----------------------------------|-------------------------------------|
| sensing range (Sn) | 1.5mm |
| switching output | pnp, no |
| operating pressure (max.) | 500bar |
| peak pressure | 1000bar |
| operating voltage U_B | 10 ... 30V DC |
| residual ripple of U_B | $\leq 20\%$ |
| current consumption (w/o load) | $\leq 10\text{mA}$ |
| leakage current | $\leq 0.1\text{mA}$ |
| output current (max. load) | 200mA |
| voltage drop (max. load) | $\leq 2.0\text{V}$ |
| switching frequency (max.) | 800Hz |
| status display (switching status) | LED yellow |
| short circuit protection | + |
| reverse polarity protection | + |
| hysteresis (of Sn) | typ. 8% |
| repeatability (of Sn) | $\leq 5\%$ |
| temperature drift (of Sn) | $\leq 15\%$ |
| ambient temperature | -25 ... +100°C |
| system of protection (EN 60529) | IP68 |
| housing material | stainless steel V4A |
| front cap material | ZrO ₂ -ceramic |
| connection | 2m PUR-cable, 3x0.14mm ² |

connection:


bn=brown. bk=black. bl=blue

dimensional drawing:


article number: **IP080100**

Warning: Never use these devices in applications where the safety of a person depends on their functionality!