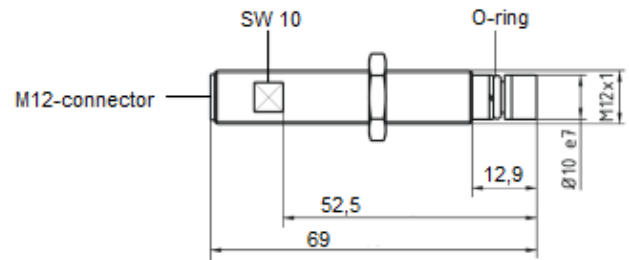


design **M12 x 1**  
 sensing range flush **2mm**

- ✓ housing made of stainless steel
- ✓ front cap made of stainless steel
- ✓ integrated amplifier
- ✓ short-circuit and reverse polarity protection
- ✓ M12-connector



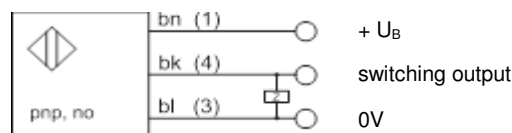
**high-pressure-proof up to 500bar**  
**temperature-proof up to 100°C**



**technical data**

sensing range $S_n$	2mm
mounting	flush
operating voltage $U_B$	10 ... 30V DC
residual ripple	≤ 10%
voltage drop	≤ 2.4V
current consumption (w/o load)	≤ 10mA
leakage current	≤ 10µA
max. output current	200mA
switching output	pnp, no
sampling frequency	≤ 400Hz
power-on delay time	≤ 100ms
hysteresis	≤ 15%
EMC-level	DIN EN 60947-5-2: 2008
real sensing range $S_r$	≤ 1.62mm
temperature drift	≤ 10%
repeatability	≤ 5%
status display	no
ambient temperature	-25 ... +100°C
system of protection (EN 60529)	IP67 / IP69k
length of pressure-proof area	12.9mm
housing material	stainless steel
front cap material	stainless steel
connection	M12-connector

wiring diagram



bn=brown, bk=black, bl=blue  
 terminal marking of cable socket in brackets

article number: **IP129120**

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