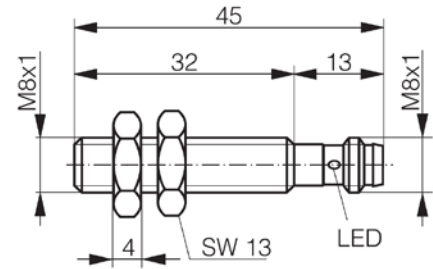


sensors with norm-switching distance

dimensions **M8 x 1**

switching distance flush **1.5mm**

- ✓ **robust metal housing**
- ✓ **switching frequency 5kHz**
- ✓ **LED-display**
- ✓ **short-circuit and reverse polarity protected**
- ✓ **M8-connector**



**cost-effective**  
IO-Link

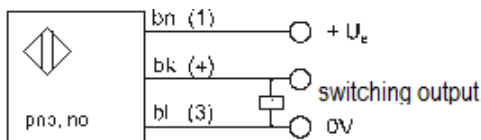


**Technical Data**

**IA080171**

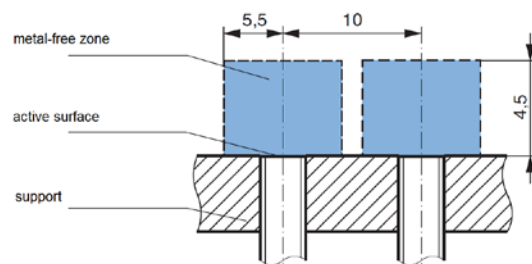
nominal switching distance $S_n$	1.5mm
mounting	flush
operating voltage $U_B$	10 ... 30V DC
voltage drop (max. load)	$\leq 2.0V$
current consumption (w/o load)	$\leq 10mA$
output current (max. load)	200mA
switching output	npn, no
switching frequency	$\leq 5kHz$
power-on delay time	$\leq 100ms$
switching hysteresis	$\leq 20\%$ von $S_r$
EMC-resistance	DIN EN 60947-5-2
temperature drift	$\leq 10\%$
repeatability	0.07mm ( $U_B = 20 \dots 30V$ DC, $T_A = 23 \pm 5^\circ C$ )
norm trimming plate	8 x 8 x 1mm, FE 360
switching state display	LED yellow
ambient temperature	-25 ... +70°C
protection class (EN 60529)	IP67
material (housing)	stainless steel V2A
material (front cap)	PA12
connection	M8-connector
connection accessories	e.g. <b>VK200075</b>
mounting accessories	mounting bracket: <b>AY000098</b> universal holder: <b>AY000115</b>

pin configuration



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

mounting



article-no.: **IA080171**

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