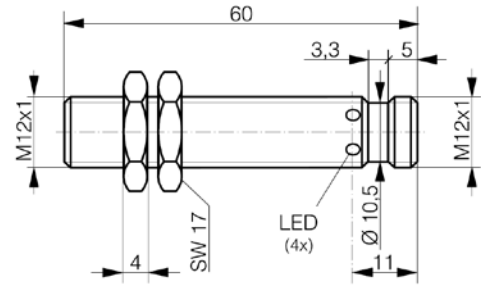


sensors with norm-switching distance

dimensions **M12 x 1**

switching distance flush **2mm**

- ✓ robust metal housing
- ✓ switching frequency 3kHz
- ✓ LED-display
- ✓ short-circuit and reverse polarity protected
- ✓ M12-connector



cost-effective

IO-Link

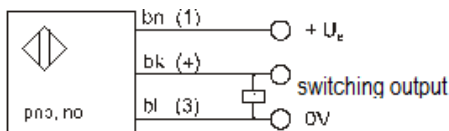


Technical Data

IA120121

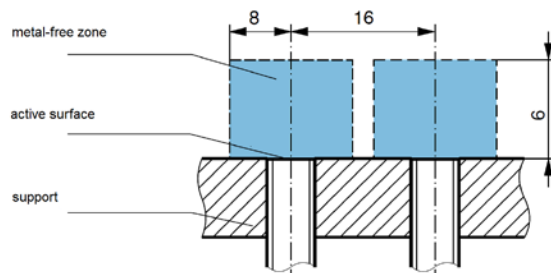
nominal switching distance $S_n$	2mm
mounting	flush
operating voltage $U_B$	10 ... 30V DC
voltage drop (max. load)	$\leq 2.0V$
current consumption (w/o load)	$\leq 10mA$
output current (max. load)	200mA
switching output	pnp, no
switching frequency	$\leq 3kHz$
power-on delay time	$\leq 100ms$
switching hysteresis	$\leq 20\%$ von $S_r$
EMC-resistance	DIN EN 60947-5-2
temperature drift	$\leq 10\%$
repeatability	0.1mm ( $U_B = 20 \dots 30V$ DC, $T_A = 23 \pm 5^\circ C$ )
norm trimming plate	12 x 12 x 1mm, FE 360
switching state display	LED yellow
ambient temperature	-25 ... +70°C
protection class (EN 60529)	IP67
material (housing)	nickel-plated brass
material (front cap)	PBTP (Crastin)
connection	M12-connector
connection accessories	e.g. <b>VK200025</b>
mounting accessories	mounting bracket: <b>AY000099</b> universal holder: <b>AY000115</b>

pin configuration



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

mounting



article-no.: **IA120121**

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