

dimensions **M12 x 1**

switching distance 3mm

- ✓ one-piece stainless steel housing
- ✓ pressure-resistant up to 80bar
- ✓ extremely resistant
- ✓ extremely impermeable IP68 + IP69k
- ✓ short-circuit and reverse polarity protected
- ✓ LED-display
- ✓ M12-connector



correction factor 1 on aluminum
 **IO-Link**



Technical Data

IC120122

nominal switching distance S_n	3mm
mounting	flush (consider correction factors!)
operating voltage U_B	10 ... 30V DC
permissible residual ripple	$\leq 20\%$
switching output	npn, no
output current (max. load)	$\leq 200\text{mA}$
voltage drop	$\leq 2\text{V}$ at 200mA
current consumption (w/o load)	$\leq 10\text{mA}$
leakage current (output)	$\leq 0.1\text{mA}$
switching frequency	$\leq 100\text{Hz}$
power-on delay time	$\leq 25\text{ms}$
switching hysteresis	$\leq 15\%$
norm trimming plate	12 x 12 x 1mm, FE 360
switching state display	$0 \leq s \leq 0.8s_r$: LED yellow lighting $0.8s_r \leq s \leq s_r$: LED yellow flashing
repeat accuracy	0.2mm (at $U_B = 20 \dots 30\text{V}$, $T_A = 23^\circ\text{C} \pm 5^\circ\text{C}$)
pressure resistance („P“ area)	80bar
vibration and shock proof	acc. IEC 60947-5-2/7.4
EMC-protection	IEC 60947-5-2: 5kV IEC 61000-4-2: level 4 IEC 61000-4-3: level 3 IEC 61000-4-4: level 3
protection class	IP68 + IP69k
ambient temperature	$-25 \dots +70^\circ\text{C}$
temperature drift of S_r	$\leq 10\%$
material (housing)	stainless steel V2A / 1.4305 / AISI 303
material thickness (active surface)	0.4mm
electrical connection	M12-connector
max. cable length	300m
connection accessories	e.g. VK200025
mounting accessories	mounting bracket: AY000099 univ.holder: AY000115

