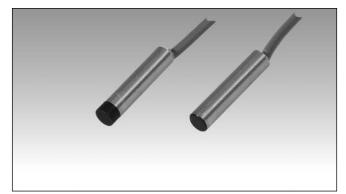
Proximity Sensors Inductive Stainless Steel Housing Types IA, Ø6.5



- Miniature Ø6.5 stainless steel housing
- Short housing
- Sensing distance: 1.0 and 2.0 mm
- Power supply: 10 to 30 VDC
- Output: Transistor NPN/PNP, normally open or normally closed
- Protection: Short-circuit and reverse polarity
- LED-indication for output ON
- For flush mounting/non flush mounting
- 2 m PVC cable

Product Description

Inductive proximity sensor in Ø6.5 stainless steel housing for flush or non-flush mount-ing in metal.

Output configuration for NPN/PNP with both NO and NC types as standard. Connection with 2 m PVC cable.

Ordering Key	IA 06 BSF 10 NO
Туре	
Housing style ———	
Housing size —	
Housing material ———	
Housing length	
Detection principle ——	
Sensing distance ———	
Output type	
Output configuration —	

Type Selection

Rated operating dist. (S _n)	Conn. type	Ordering no. Transistor NPN Normally open	Ordering no. Transistor NPN Normally closed	Ordering no. Transistor PNP Normally open	Ordering no. Transistor PNP Normally closed
1.0 mm ¹⁾	Cable	IA06BSF10NO	IA06BSF10NC	IA06BSF10PO	IA06BSF10PC
2.0 mm ²⁾	Cable	IA06BSN20NO	IA06BSN20NC	IA06BSN20PO	IA06BSN20PC

¹⁾ For flush mounting

²⁾ For non flush mounting

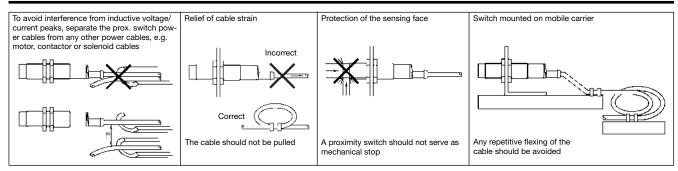
Specifications

Rated operational volt. (U _B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (Ie)	
Continuous	≤200 mA
No-load supply current (l _o)	≤ 10 mA (ON)
Voltage drop (U _d)	< 1.0 V (@ I _{max})
Protection	Short-circuit, reverse polarity
Frequency of operating	
cycles (f)	2 kHz
Indication for output ON	LED, red

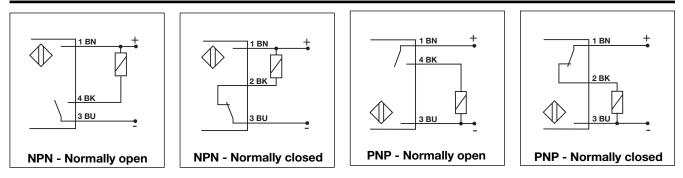
Effective operating dist. (Sr)	$0.9 \; x \; S_n \leq S_r \leq 1.1 \; x \; S_n$
Usable operating dist. (S _u)	$0.85 \; x \; S_r \leq S_u \leq 1.15 \; x \; S_r$
Ambient temperature	
Operating	-25° to +70°C (-13° to +158°F)
Storage	-30° to +75°C (-22° to +167°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing material	Stainless steel
CE-marking	Yes
Connection	2 m, PVC, oil proof



Installation Hints



Wiring Diagrams



Dimensions

