Proximity Sensors Inductive High Temperature Types IA, M5, 8, NPN/PNP





Product Description

Inductive proximity sensor with transistor output in M5 and M8 stainless steel housing for flush mounting in metal. Output configuration for NPN/PNP with NO as standard. Connection with 2 m silicone cable.

Ordering Key IA 05 BSF 08 NO HT-K

• Output: Transistor NPN or PNP, make switching

Type: Ind. prox. switch Housing style Housing size Housing material Housing length Detection principle Sensing distance Output type Output configuration High temperature

Stainless steel housings
Sensing distance: 0.8 - 1 mm
Power supply: 10 to 30 VDC

For flush mounting
2 m silicone cable

Type Selection

Rated operating dist. (S _n)	Connection type	Housing dimensions	Ordering no. Transistor NPN Make switching	Ordering no. Transistor PNP Make switching
0.8 mm	Cable, 2 m	 M5	IA 05 BSF 08 NOHT-K	IA 05 BSF 08 POHT-K
1.0 mm All types for flush	Cable, 2 m mounting in metal	M8	IA 08 BSF 10 NOHT-K	IA 08 BSF 10 POHT-K

Specifications

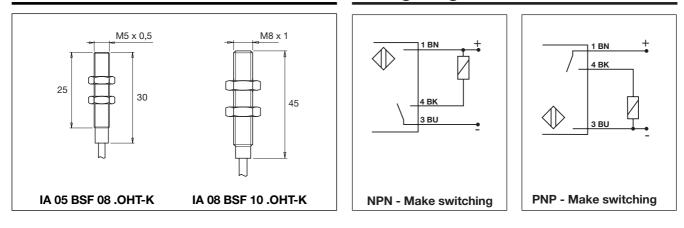
Rated operational volt. (U_B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I_e)	
Continuous	\leq 50 mA @ + 25°C (+75°F)
No-load supply current (l _o)	\leq 5 mA (ON)
Voltage drop (U _d)	< 3,0 V (@ I _{max})
Frequency of op. cycles (f)	Ø5: 3 kHz Ø8: 2 kHz
Effective operating dist. (Sr)	$0.9 \; x \; S_n \leq S_r \leq 1.1 \; x \; S_n$
Usable operating dist. (Su)	$0.85 \text{ x } S_r \leq S_u \leq 1.15 \text{ x } S_r$

Ambient temperature Operating Storage	-25 to +120°C (-13 to +248°F) -30 to +125°C (-22 to +257°F)	
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)	
Housing material	Stainless steel	
CE-marking	Yes	
Connection	Cable, silicone, 2 m, AWG 26	



Dimensions

Wiring Diagrams



Installation Hints

