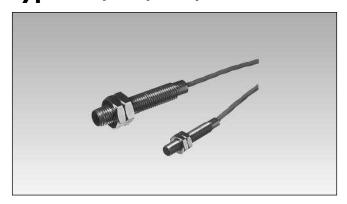
# Proximity Sensors Inductive High Temperature Types IA, DC, M5, M8





- Stainless steel housings
- Sensing distance: 0.8 1 mm
- Power supply: 10 to 30 VDC
- Output: Transistor NPN or PNP, make switching
- For flush mounting
- 2 m silicone cable

### **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.

# Type Housing style Housing size Housing length Detection principle Sensing distance Output type Output configuration High temperature

### **Type Selection**

Rated operating dist. (S <sub>n</sub> )	Connection type	Housing dimensions	Ordering no. Transistor NPN Normally open	Ordering no. Transistor PNP Normally open
0.8 mm	Cable, 2 m	M5	IA 05 BSF 08 NOHT-K	IA 05 BSF 08 POHT-K
1.0 mm	Cable, 2 m	M8	IA 08 BSF 10 NOHT-K	IA 08 BSF 10 POHT-K

All types for flush mounting in metal

# **Specifications**

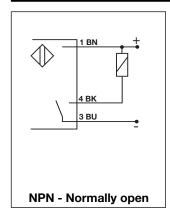
Rated operational volt. (U <sub>B</sub> )	10 to 30 VDC (ripple included)	Ambient temperature	
Ripple	≤ 10%	Operating Storage	-25° to +120°C (-13° to +248°F) -30° to +125°C (-22° to +257°F)
Rated operational current (I <sub>e</sub> ) Continuous	≤ 50 mA @ + 25°C (+75°F)	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
No-load supply current (l₀)	≤ 5 mA (ON)	Housing material	Stainless steel
Voltage drop (U <sub>d</sub> )	< 3,0 V (@ I <sub>max</sub> )	CE-marking	Yes
Frequency of op. cycles (f)	Ø5: 3 kHz Ø8: 2 kHz	Connection	Cable, silicone, 2 m, AWG 26
Effective operating dist. (S <sub>r</sub> )	$0.9 \times S_n \le S_r \le 1.1 \times S_n$		
Usable operating dist. (Su)	$0.85 \times S_r \leq S_u \leq 1.15 \times S_r$		

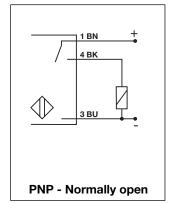


## **Dimensions**

# M8 x 1. 25 30 IA 05 BSF 08 .OHT-K IA 08 BSF 10 .OHT-K

# **Wiring Diagrams**





### **Installation Hints**

