Proximity Sensors Inductive Long Body, Stainless Steel Types IA, M8





- Miniature stainless steel housing (cable or M8/M12 plug)
- Long body
- Sensing distance: 1,5 mm or 2,5 mm
- Power supply: 10 to 30 VDC
- Output: Transistor NPN/PNP, normally open or normally closed
- Protection: Short-circuit
- LED-indication for output ON
- 2 m PVC cable, M8 or M12 plug



Product Description

Inductive proximity sensor with long body. Output configuration for NPN/PNP with both NO and NC types as

standard. M8 stainless steel housing with 2 m PVC cable or M8/M12 plug.

Ordering Key IA 08 BLF 15 NO M5

Type: Ind. prox. switch Housing style Housing size		
Housing material —		
Housing length —		
Detection principle —		
Sensing distance		
Output type	_	
Output configuration —		
Connection —		

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
1.5 mm ¹⁾	Cable	IA 08 BLF 15 NO	IA 08 BLF 15 NC	IA 08 BLF 15 PO	IA 08 BLF 15 PC
1.5 mm ¹⁾	Plug M8	IA 08 BLF 15 NO M5		IA 08 BLF 15 PO M5	IA 08 BLF 15 PC M5
2.5 mm	Cable	IA 08 BLN 25 NO	IA 08 BLN 25 NC	IA 08 BLN 25 PO	IA 08 BLN 25 PC
2.5 mm	Plug M8	IA 08 BLN 25 NO M5		IA 08 BLN 25 PO M5	IA 08 BLN 25 PC M5
1.5 mm ¹⁾		IA 08 BLF 15 NO M1	IA 08 BLF 15 NC M1	IA 08 BLF 15 PO M1	IA 08 BLF 15 PC M1
2.5 mm		IA 08 BLN 25 NO M1	IA 08 BLN 25 NC M1	IA 08 BLN 25 PO M1	IA 08 BLN 25 PC M1

¹⁾ For flush mounting in metal

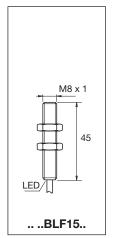
Specifications

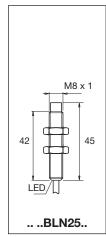
Rated operational volt. (U _B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I _e) Continuous No-load supply current (I _o)	≤ 200 mA @ + 25°C (+75°F) ≤ 10 mA (ON)
Voltage drop (U _d)	< 2,5 V (@ I _{max})
Protection	Short circuit
Frequency of operating cycles (f)	2000 Hz
Indication for output ON	LED, yellow
Repeat Accuracy	≤ 5%
Effective operating dist. (S _r)	$0.9 \ x \ S_n \leq S_r \leq 1.1 \ x \ S_n$
Usable operating dist. (S _u)	$0.85 \times S_r \le S_u \le 1.15 \times S_r$

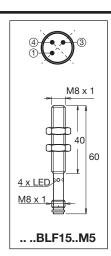
Ambient temperature Operating Storage	-25° to +70°C (-13° to +158°F) -30° to +75°C (-22° to +167°F)	
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)	
Housing material	Stainless steel, AISI 303	
CE-marking	Yes	
Connection		
IA08BLO/C	Cable, 2 m, PVC, AWG 26, oil proof	
IA08BLO/C M5	Plug M8, CONB53 series	
IA08BLO/C M1	Plug M12, CONB1 series	
Weight (cables/nuts included)	Al 36 g	
	AlM1/M5 11 g	

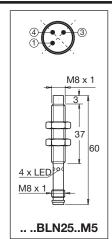


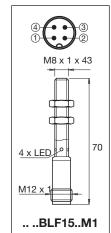
Dimensions

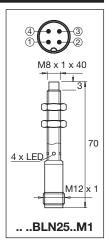






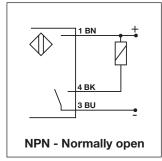


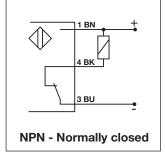


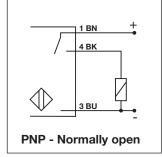


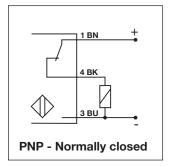
Wiring Diagrams



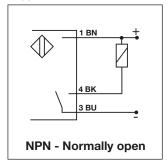


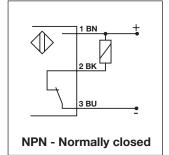


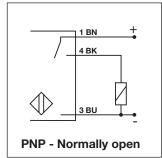


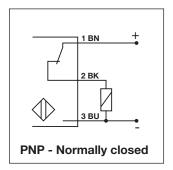


IA08BL....M1









Installation Hints

