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 Plug M8	IA 08 BLF 15 NO IA 08 BLF 15 NO M5	IA 08 BLF 15 NC	IA 08 BLF 15 PO IA 08 BLF 15 PO M5	IA 08 BLF 15 PC 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

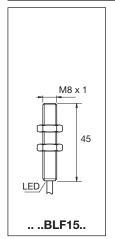
Specifications

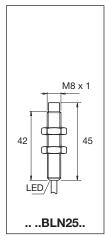
Rated operational volt. (U _B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (l _e)	
Continuous	≤ 200 mA @ + 25°C (+75°F)
No-load supply current (l _o)	≤ 10 mA (ON)
Voltage drop (U _d)	< 2,5 V (@ I _{max})
Protection	Short circuit
Frequency of operating cycles (f)	2000 Hz
Indication 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)	$0.85 \ x \ S_r \leq S_u \leq 1.15 \ x \ S_r$

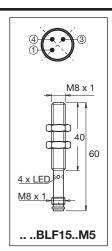
Ambient temperature Operating Storage	-25° to +70°C (-13° to +158°F) -30° to +75°C (-22° to +167°F)		
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)		
Housing material	Stainless steel, AISI 303		
CE-marking	Yes		
Connection			
IA08BLO/C	Cable, 2 m, PVC, AWG 26, oil proof		
IA08BLO/C M5	Plug M8, CONB53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

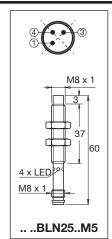


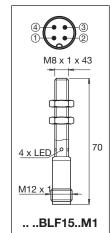
Dimensions

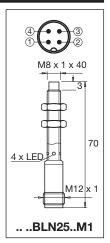






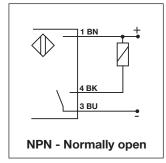


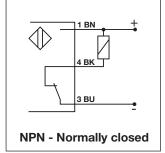


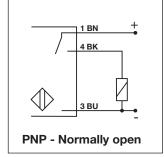


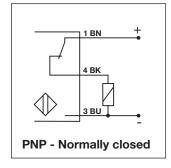
Wiring Diagrams



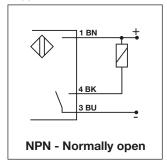


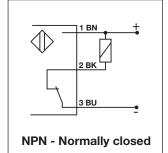


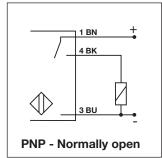


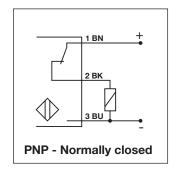


IA08BL....M1









Installation Hints

