

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

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- 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

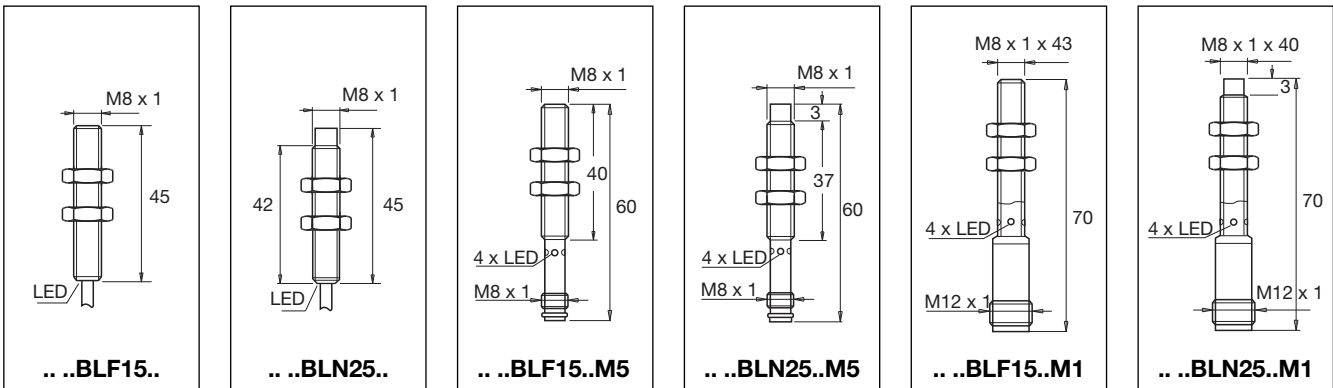
Rated operating dist. (S <sub>n</sub> )	Conn. type	Ordering no. Transistor NPN Normally open	Ordering no. Transistor NPN Normally closed	Ordering no. Transistor PNP Normally open	Ordering no. Transistor PNP Normally closed
1.5 mm <sup>1)</sup>	Cable	IA 08 BLF 15 NO	IA 08 BLF 15 NC	IA 08 BLF 15 PO	IA 08 BLF 15 PC
1.5 mm <sup>1)</sup>	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 <sup>1)</sup>	Plug M12	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	Plug M12	IA 08 BLN 25 NO M1	IA 08 BLN 25 NC M1	IA 08 BLN 25 PO M1	IA 08 BLN 25 PC M1

<sup>1)</sup> For flush mounting in metal

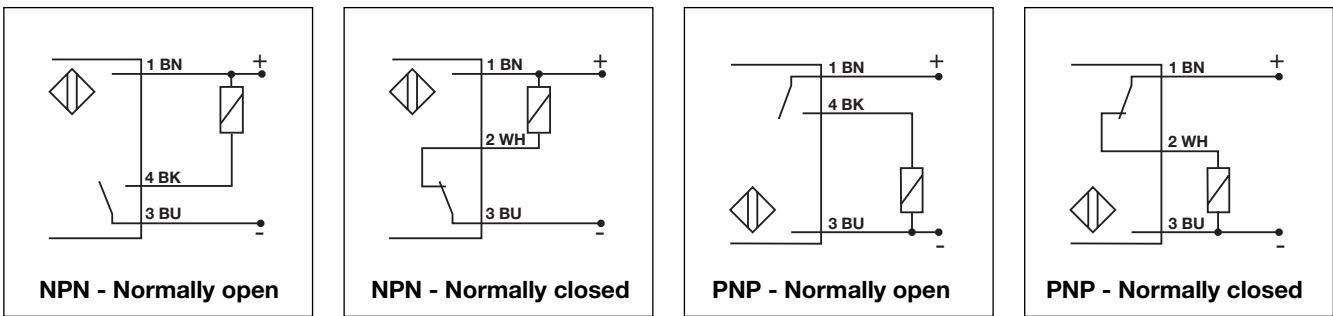
## Specifications

Rated operational volt. (U <sub>B</sub> )	10 to 30 VDC (ripple included)	Ambient temperature	
Ripple	≤ 10%	Operating	-25° to +70°C (-13° to +158°F)
Rated operational current (I <sub>o</sub> )		Storage	-30° to +75°C (-22° to +167°F)
Continuous	≤ 200 mA @ + 25°C (+75°F)	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
No-load supply current (I <sub>o</sub> )	≤ 10 mA (ON)	Housing material	Stainless steel, AISI 303
Voltage drop (U <sub>d</sub> )	< 2,5 V (@ I <sub>max</sub> )	CE-marking	Yes
Protection	Short circuit	Connection	
Frequency of operating cycles (f)	2000 Hz	IA08BL. .0 ../..M5	Cable, 2 m, PVC, AWG 26, oil proof
Indication for output ON	LED, yellow	IA08BL. .0 ..M1	Plug M8, CONH5A-xxx serie
Repeat Accuracy	≤ 5%	Weight (cables/nuts included)	Plug M12, CONH1A-xxx serie
Effective operating dist. (S <sub>r</sub> )	0.9 x S <sub>n</sub> ≤ S <sub>r</sub> ≤ 1.1 x S <sub>n</sub>	Al...	36 g
Usable operating dist. (S <sub>u</sub> )	0.85 x S <sub>r</sub> ≤ S <sub>u</sub> ≤ 1.15 x S <sub>r</sub>	Al...M1/M5	11 g

## Dimensions



## Wiring Diagrams



## Installation Hints

