

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

5 years warranty

CARLO GAVAZZI

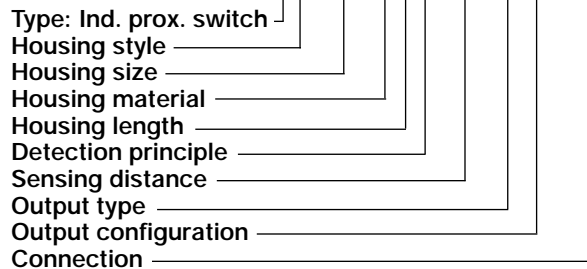


- Miniature stainless steel housing (cable or M8/M12 plug)
- Long body
- Sensing distance: 1,5 mm or 2,5 mm
- Power supply: 10 to 30 VDC
- Output: Transistor NPN/PNP, make or break switching
- Protection: Short-circuit
- LED-indication for output ON
- 2 m PVC cable, M8 or M12 plug

## 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 Selection

Rated operating dist. (S <sub>n</sub> )	Conn. type	Ordering no. Transistor NPN Make switching	Ordering no. Transistor NPN Break switching	Ordering no. Transistor PNP Make switching	Ordering no. Transistor PNP Break switching
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 NC 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 NC 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

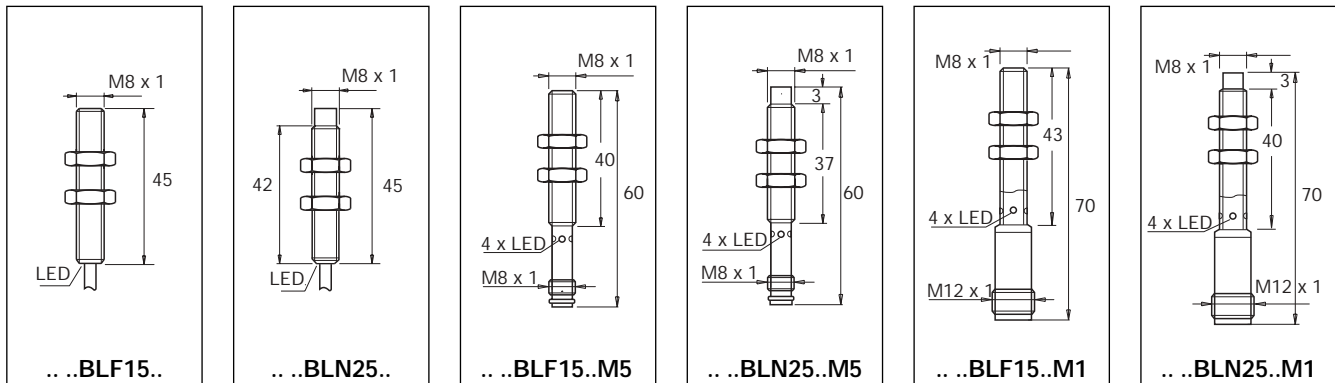
## Specifications

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

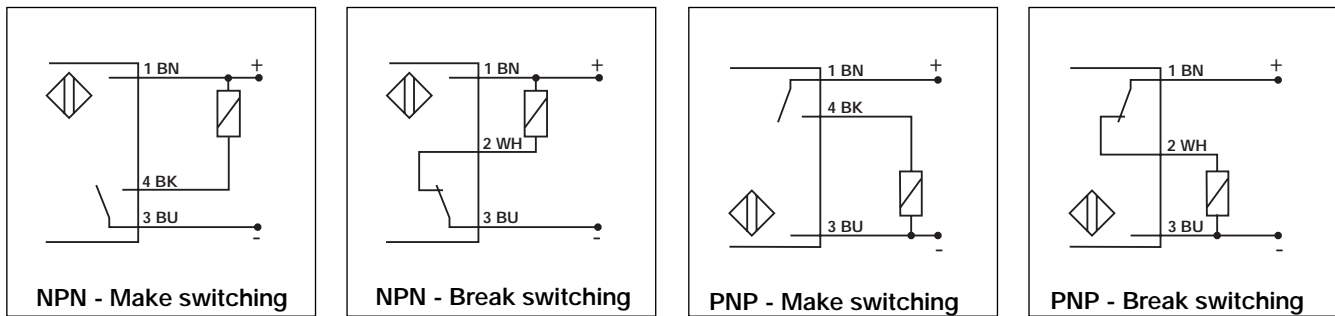
IA, M8



## Dimensions



## Wiring Diagrams



## Installation Hints

