



Electric Automation
Automation specialists

Reference: IA08BLF15NO

Selected parameters OUTPUT FUNCTION NO MOUNTING Flush
HOUSING M8 SENSING RANGE up to 2 mm OUTPUT DC NPN
CONNECTION Cable WIRE 3-wire MATERIAL Metal SYSTEM
Proximity Sensor Others HOUSING M8 x 45 mm MATERIAL
Stainless steel SENSING RANGE 1,5 mm OUTPUT FUNCTION
Normally Open



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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, make or break switching
- Protection: Short-circuit
- LED-indication for output ON
- 2 m PVC cable, M8 or M12 plug

Product Description

Ordering Key IA 08BLF 15NO M5

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.

Type: Ind. prox. switch

Housing style Housing size Housing material Housing length Detection principle

Sensing distance Output type

Output configuration

Connection

Type Selection

Rated Conn. Ordering no. Ordering no. Ordering no. Ordering no. operating type Transistor NPN Transistor NPN Transistor PNP Transistor PNP dist. (Sn) Normally open Normally closed Normally open 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 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 M8IA 08 BLN 25 NO M5IA 08 BLN 25 NC M5 IA 08 BLN 25 PO M5 IA 08
BLN 25 PC M5

1.5 mm 1)Plug M12IA 08 BLF 15 NO M1 IA 08 BLF 15 NC M1IA 08 BLF 15 PO M1 IA 08
BLF 15 PC M1

2.5 mm Plug M12IA 08 BLN 25 NO M1IA 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. (UB) 10 to 30 VDC (ripple included)

Ripple $\leq 10\%$

Rated operational current (Ie)

Continuous ≤ 200 mA @ + 25°C (+75°F)

No-load supply current (Io) ≤ 10 mA (ON)

Voltage drop (Ud) < 2,5 V (@ I_{max}) Protection Short circuit Frequency of operating
cycles (f)2000 Hz

Indication for output ONLED, yellow

Repeat Accuracy $\leq 5\%$

Effective operating dist. (Sr) $0.9 \times S_n \leq S_r \leq 1.1 \times S_n$

Usable operating dist. (Su) $0.85 \times S_r \leq S_u \leq 1.15 \times S_r$

Ambient temperature

Operating -25° to +70°C (-13° to +158°F) Storage -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

IA08BL. .0 ..M5 Cable, 2 m, PVC, AWG 26, oil proof

Plug M8, CONH5A-xxx serie

IA08BL. .0 ..M1 Plug M12, CONH1A-xxx serie

Weight (cables/nuts included) Al...36 g

Al...M1/M5 11 g

Specifications are subject to change without notice (26.08.10) 1