

Proximity Sensors Inductive

Short body, Stainless Steel Housing

Types IA, M8

5 years warranty

CARLO GAVAZZI



- Miniature stainless steel housing M8
- Short 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 or M8 plug

Product Description

Miniature inductive proximity sensor with reduced body length. Output configuration for NPN/PNP with both NO and NC types as standard. M8 stainless steel housing. Connection with 2 m PVC cable or M8 plug.

Ordering Key

IA 08 BSF 15 NO M5

| | |
|----------------------|-------|
| 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 Make switching | Ordering no. Transistor NPN Break switching | Ordering no. Transistor PNP Make switching | Ordering no. Transistor PNP Break switching |
|---|------------|--|---|--|---|
| 1.5 mm ¹⁾ | Cable | IA 08 BSF 15 NO | IA 08 BSF 15 NC | IA 08 BSF 15 PO | IA 08 BSF 15 PC |
| 1.5 mm ¹⁾ | Plug | IA 08 BSF 15 NO M5 | IA 08 BSF 15 NC M5 | IA 08 BSF 15 PO M5 | IA 08 BSF 15 PC M5 |
| 2.5 mm | Cable | IA 08 BSN 25 NO | IA 08 BSN 25 NC | IA 08 BSN 25 PO | IA 08 BSN 25 PC |
| 2.5 mm | Plug | IA 08 BSN 25 NO M5 | IA 08 BSN 25 NC M5 | IA 08 BSN 25 PO M5 | IA 08 BSN 25 PC M5 |

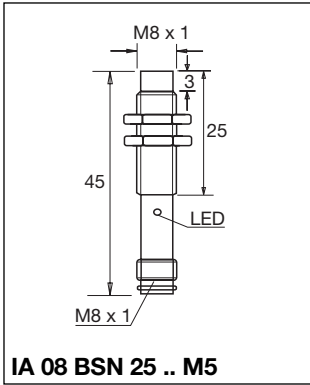
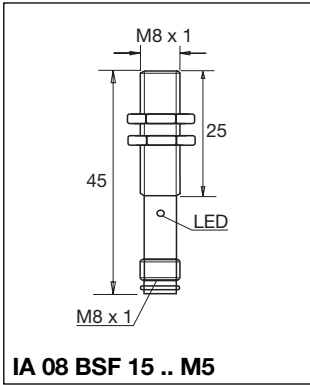
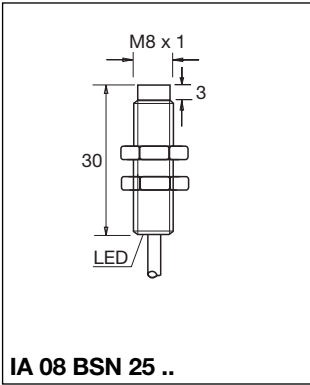
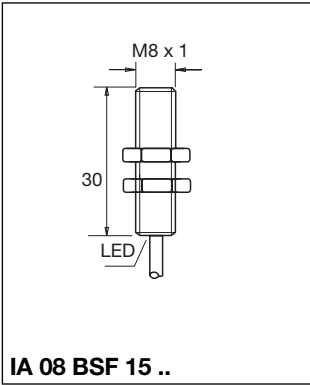
¹⁾ For flush mounting in metal

Specifications

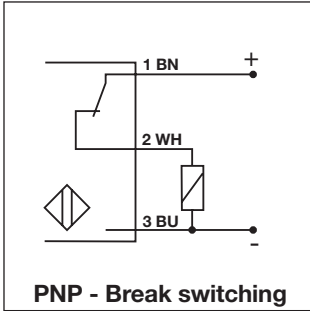
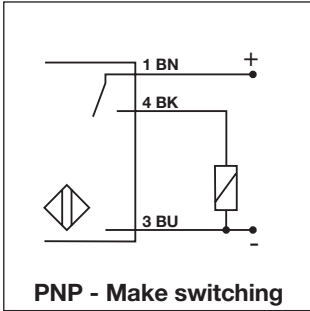
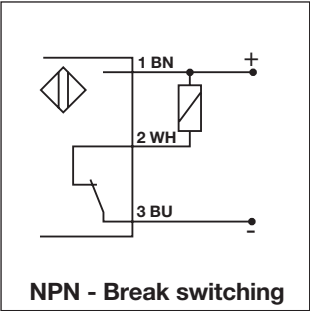
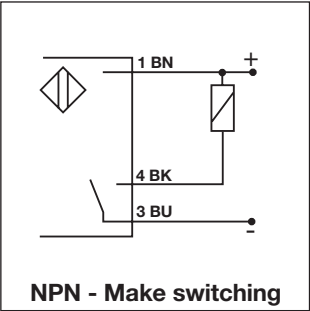
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|--|--|-----------------------------|--|
| Rated operational volt. (U_B) | 10 to 30 VDC (ripple included) | Degree of protection | IP 67 (Nema 1, 3, 4, 6, 13) |
| Ripple | ≤ 10% | Housing material | Stainless steel, AISI 303 |
| Rated operational current (I_e) Continuous | ≤ 200 mA @ + 25°C (+75°F) | CE-marking | Yes |
| No-load supply current (I_o) | ≤ 10 mA (ON) | Connection | 2 m, PVC, AWG 26 M8, CONH5A-xxx Serie |
| Voltage drop (U_d) | < 2,5 V (@ I _{max}) | Cable | |
| Protection | Short circuit | Plug | |
| Frequency of operating cycles (f) | 2000 Hz | | |
| Indication for output ON | LED, yellow | | |
| Effective operating dist. (S_r) | 0.9 x S _n ≤ S _r ≤ 1.1 x S _n | | |
| Usable operating dist. (S_u) | 0.85 x S _r ≤ S _u ≤ 1.15 x S _r | | |
| Ambient temperature | | | |
| Operating | -25° to +70°C (-13° to +158°F) | | |
| Storage | -30° to +75°C (-22° to +167°F) | | |



Dimensions



Wiring Diagrams



Installation Hints

