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	**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 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 [1]	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**

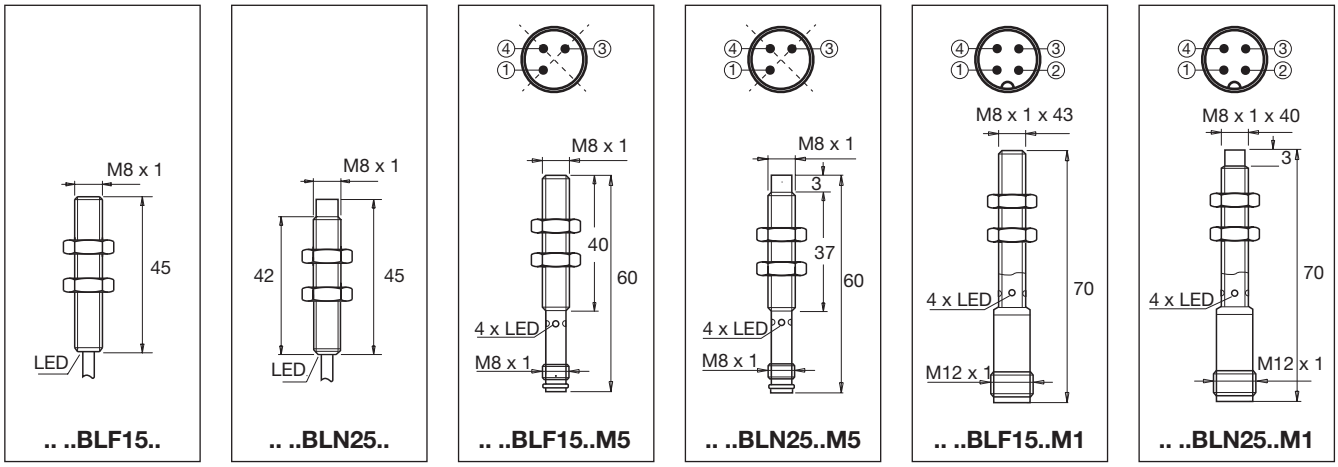
[1] For flush mounting in metal

Specifications

Rated operational volt. (U_B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I_e) Continuous **No-load supply current** (I_o)	 ≤ 200 mA @ + 25°C (+75°F) ≤ 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 ≤ S_r ≤ 1.1 x S_n
Usable operating dist. (S_u)	0.85 x S_r ≤ S_u ≤ 1.15 x S_r

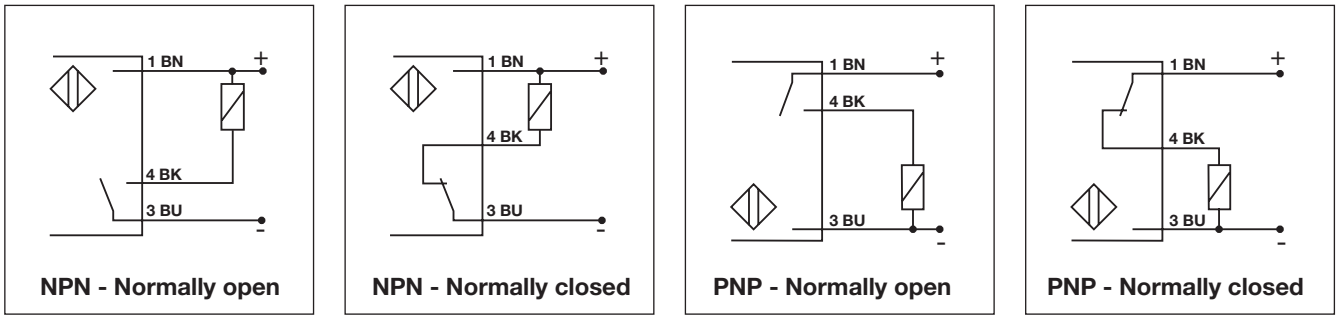
Ambient temperature Operating Storage	 -25° to +70°C (-13° to +158°F) -30° to +75°C (-22° to +167°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing material	Stainless steel, AISI 303
CE-marking	Yes
Connection IA08BL....O/C IA08BL....O/C M5 IA08BL....O/C M1	 Cable, 2 m, PVC, AWG 26, oil proof Plug M8, CONB53 series Plug M12, CONB1 series
Weight (cables/nuts included)	AI... 36 g AI...M1/M5 11 g

Dimensions

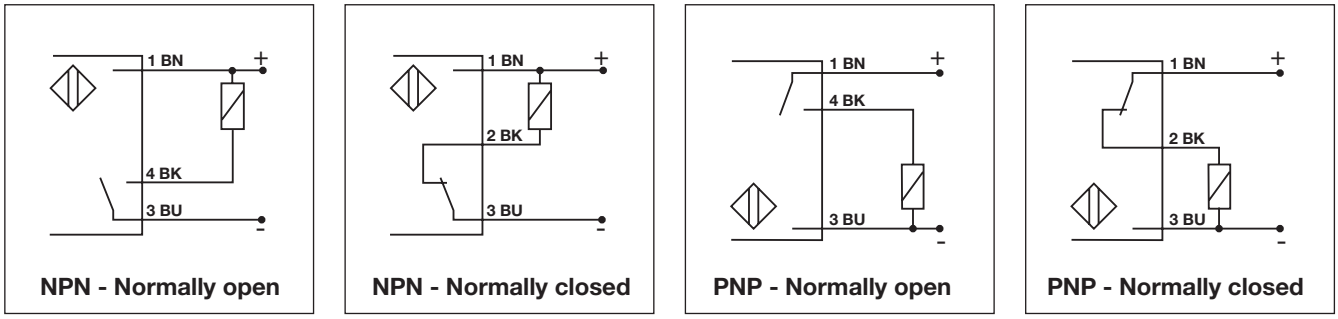


Wiring Diagrams

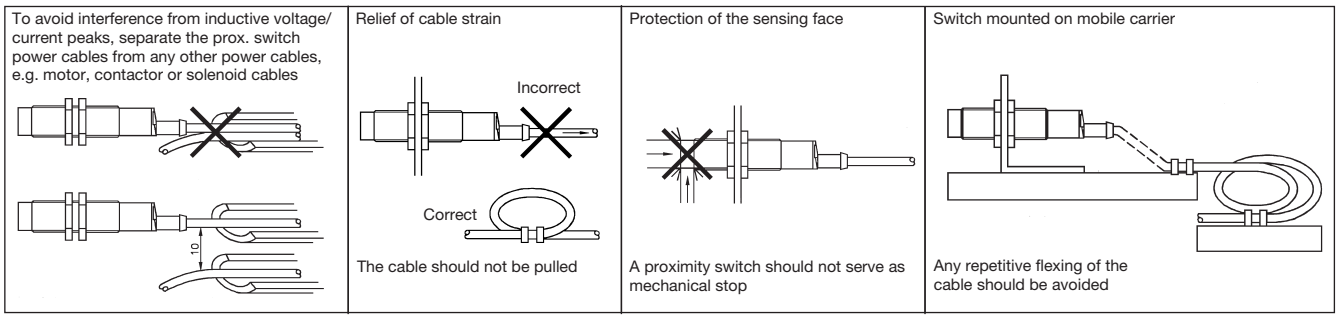
IA08BL..... - IA08BL.....M5



IA08BL.....M1



Installation Hints



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Proximity Sensors ***category:***

Click to view products by Carlo Gavazzi ***manufacturer:***

Other Similar products are found below :

01.001.5653.1 70.340.1028.0 70.360.2428.0 70.364.4828.0 70.810.1053.0 72.360.1628.0 73.363.6428.0 9221350022 980659-1 QT-12 E2EX10D1NN E2E-X14MD1-G E2E-X2D1-G E2EX2ME2N E2E-X3D1-N 10M E2E-X4MD1-G E2FMX1R5D12M E2K-F10MC1 5M EI1204TBOSL-6 EI5515NPAP BSA-08-25-08 IC08ANC15PO-K IMM2582C 25.161.3253.0 25.332.0653.1 25.352.0653.0 25.352.0753.0 25.523.3253.0 9151710023 922FS1.5C-A4P-Z774 SC606ABV0S30 SM952A126100LE SM956A132600 A1220EUA-T F3S-A162-U CL18 QT-08L 34.110.0010.0 TL-C2MF1-M3-E4 IA08BLF15NOM5 IA08BSF15NOM5 IA12ASF04DOM1 IMM32188C IS2 IS31SE5000-UTLS2-TR 34.110.0021.0 34.110.0022.0 CA150-120VACDC VM18VA3000Q XS508BSCBL2