

Proximity Sensors Inductive Analogue Current Output, Nickel-plated Brass Housing Types IA, M8, M12, M18 and M30



- Nickel-plated brass housing
- Housing diameter: 8, 12, 18 and 30 mm
- Sensing distance: M8: 0.1 - 1.5 mm
M12: 0.1 - 3 mm
M18: 0.1 - 6 mm
M30: 0.5 - 10 mm
- Power supply: 18 to 30 VDC
- Output: 20 - 4 mA
- Protection degree IP67
- 2 m PVC cable

Product Description

Inductive proximity sensor with analogue 20-4 mA current output. The analogue signal can be directly connected to measuring systems. Nickel-plated brass housing in 4 sizes. Connection with 2 m PVC cable.

Ordering Key

IA 18 ALC 10 AG-K

Type: Ind. prox. switch
Housing style
Housing size
Housing material
Housing length
Detection principle
Sensing distance
Output type
Output configuration

Type Selection

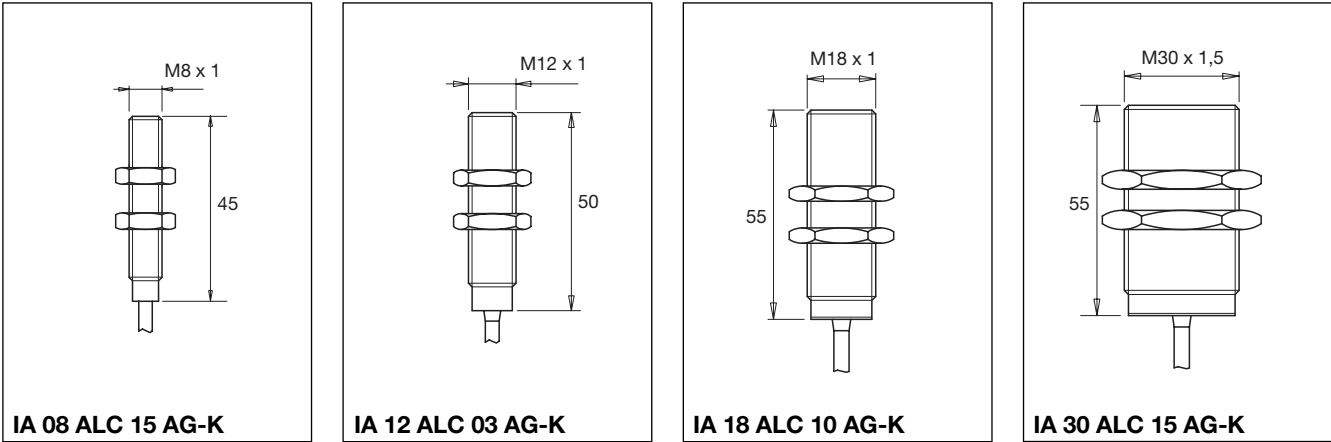
Detecting range	Housing	Connection dimensions	Ordering no. Analogue Current Output PNP, 20-4 mA
0.1 - 1.5 mm	M8	Cable, 2 m	IA 08 ALC 15 AG-K
0.1 - 3.0 mm	M12	Cable, 2 m	IA 12 ALC 03 AG-K
0.1 - 6.0 mm	M18	Cable, 2 m	IA 18 ALC 06 AG-K
0.5 - 10 mm	M30	Cable, 2 m	IA 30 ALC 10 AG-K

All types for flush mounting in metal

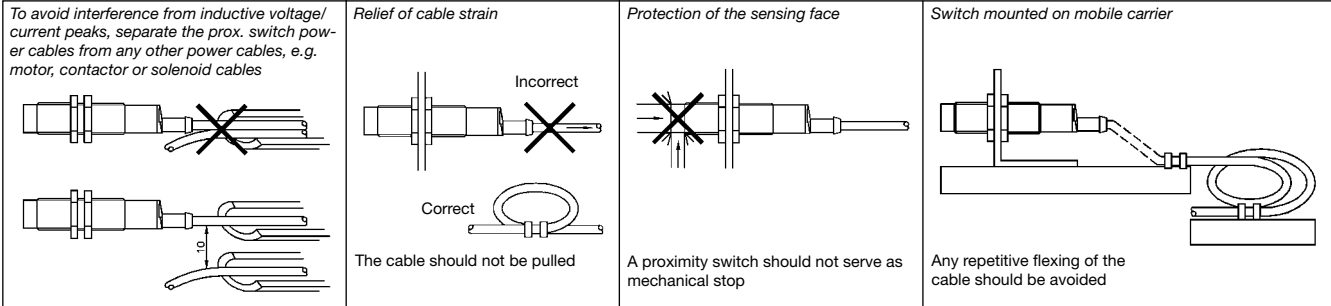
Specifications

Rated operational volt. (U_B)	18 to 30 VDC (ripple included)	Temperature drift	< 5%
Ripple	≤ 10%	Ambient temperature	
Output current (I_e)	20 - 4 mA, PNP	Operating	0° to +50°C (32° to +122°F)
No-load supply current (I_o)	≤ 35 mA	Storage	-30° to +75°C (-22° to +167°F)
Load	< 400 Ω	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Detecting range	IA 08: 0.1 - 1.5 mm IA 12: 0.1 - 3.0 mm IA 18: 0.1 - 6.0 mm IA 30: 0.5 - 10 mm	Housing material	Nickel-plated brass
Conformity	< ±10%	CE-marking	Yes
		Connection	
		Cable	2 m, PVC, AWG 26

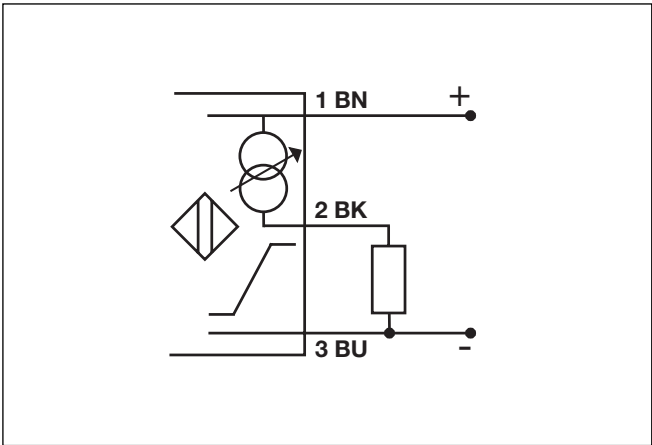
Dimensions



Installation Hints



Wiring Diagram



Nominal Output Characteristic

