

Proximity Sensors Inductive

Analogue Voltage Output, Nickel-plated Brass Housing

Types IA, M18, M30



- Nickel-plated brass housing
- Housing diameter: 18 and 30 mm
- Sensing distance: 0 - 5 mm, 3.5 - 11 mm
- Power supply: 12/17 to 30 VDC
- Output: 0-1.6 V, 0-10 V
- Protection degree IP67
- 2 m PVC cable

Product Description

Inductive proximity sensor with analogue 0-1.6 or 0-10 V voltage output. The analogue signal can be directly connected to measuring sys-

tems. Nickel-plated brass housing, M18 and M30. Connection with 2 m PVC cable.

Ordering Key

IA 18 ALC 05 AH-K

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

Type Selection

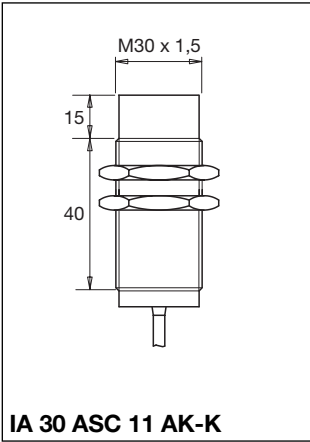
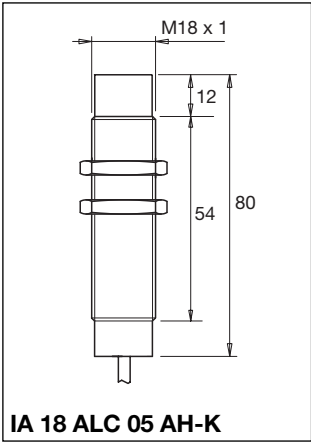
Detecting range	Output voltage	Housing dimensions	Connection	Ordering no. Analogue Voltage Output, PNP
0 - 5 mm	0-1.6 V	M18	Cable, 2 m	IA 18 ALC 05 AH-K
3.5 - 11 mm	0-10 V	M30	Cable, 2 m	IA 30 ASC 11 AK-K

Both types for non-flush mounting

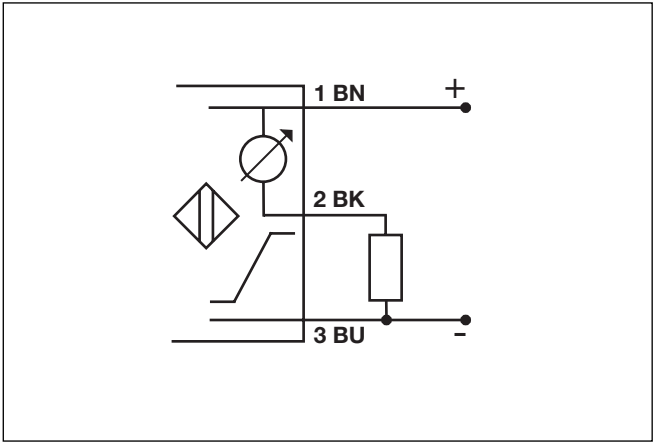
Specifications

Rated operational volt. (U_B) IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	12 to 30 VDC (ripple incl.) 17 to 30 VDC (ripple incl.)	Temperature drift IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	< 10% < 4%
Ripple	≤ 10%	Ambient temperature Operating IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K Storage	-25° to +70°C (-13° to +158°F) 0° to +60°C (32° to +140°F) -30° to +75°C (-22° to +167°F)
Output voltage IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	0 to 1.6 V 0 to 10 V	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
No-load supply current (I_o) IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	< 25 mA < 33 mA	Housing material	Nickel-plated brass
Load	> 1 kΩ	CE-marking	Yes
Detecting range IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	0 - 5 mm 3.5 - 11 mm	Connection Cable	2 m, PVC, AWG 22
Linearity error IA 18 ALC 05 AH-K IA 30 ASC 11 AK-K	< 5% < 1.5%		

Dimensions



Wiring Diagram



Installation Hints

