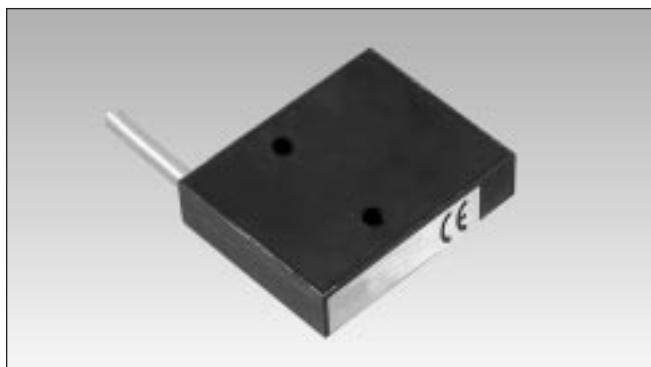


Proximity Sensors Inductive

Analogue Current Output, Low Linearity Error

Types ID, Rectangular 40 x 50 mm



- Polypropylene housing
- Housing dimensions: 40 x 50 x 12 mm
- Sensing distance: 0 - 6 mm
- Power supply: 15 to 30 VDC
- Output: 0.6 - 15.5 mA
- Linearity error: < 2%
- Protection degree IP67
- 2 m PVC cable

Product Description

Inductive proximity sensor with analogue 0.6-15.5 mA current output. The analogue signal can be directly connected to measuring systems. Output characteristic with very low linearity error. Rectangular, polypropylene housing. Connection with 2 m PVC cable.

Ordering Key ID 40 CNC 06 AF-K

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

Type Selection

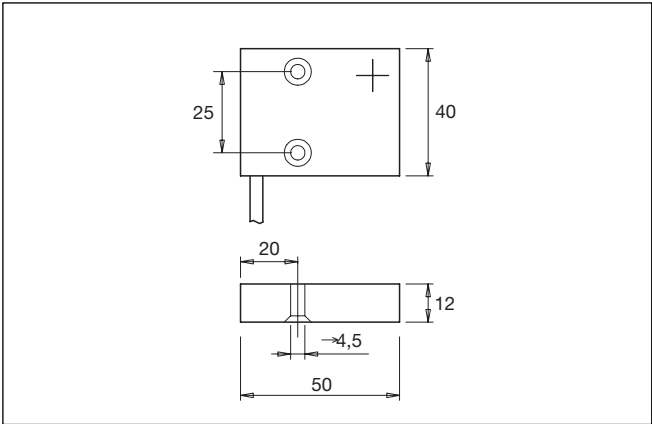
Detecting range	Housing dimensions	Connection	Ordering no. Analogue Current Output, PNP, 0.6-15.5 mA
0 - 6 mm	40 x 50 x 12 mm	Cable, 2 m	ID 40 CNC 06 AF-K

For non-flush mounting.

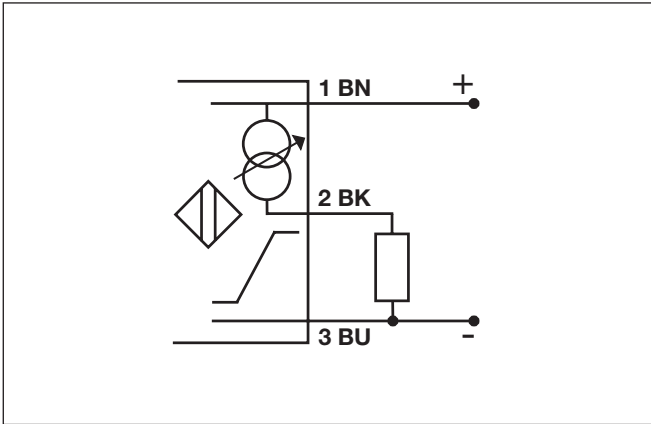
Specifications

Rated operational volt. (U_B)	15 to 30 VDC (ripple included)	Ambient temperature	
Ripple	$\leq 10\%$	Operating	0° to +50°C (32° to +122°F)
Output current (I_o)	0.6 - 15.5 mA	Storage	-30° to +75°C (-22° to +167°F)
No-load supply current (I_o)	≤ 35 mA	Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Load	< 400 Ω	Housing material	Polypropylene
Detecting range	0 - 6 mm	CE-marking	Yes
Linearity error	< 2%	Connection	
Temperature drift	< 4%	Cable	2 m, PVC, AWG 26

Dimensions



Wiring Diagram



Installation Hints

<p>To avoid interference from inductive voltage/ current peaks, separate the prox. switch power cables from any other power cables, e.g. motor, contactor or solenoid cables</p> <p>10</p>	<p>Relief of cable strain</p> <p>Incorrect</p> <p>Correct</p> <p>The cable should not be pulled</p>	<p>Protection of the sensing face</p> <p>A proximity switch should not serve as mechanical stop</p>	<p>Switch mounted on mobile carrier</p> <p>Any repetitive flexing of the cable should be avoided</p>
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