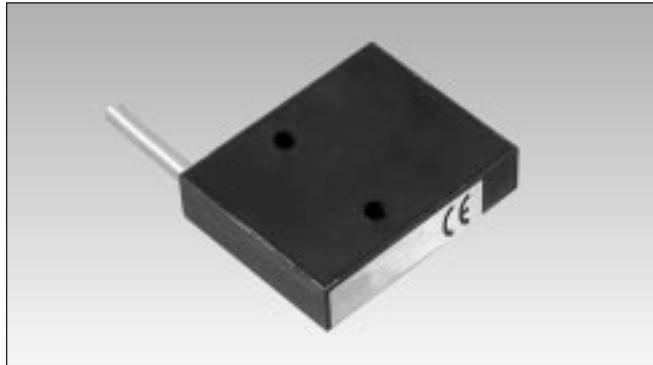


# Proximity Sensors Inductive

## Analogue Current Output, Low Linearity Error

### Types ID, Rectangular 40 x 50 mm

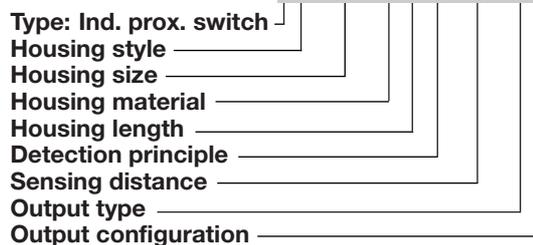


- Polypropylene housing
- Housing dimensions: 40 x 50 x 12 mm
- Sensing distance: 0 - 6 mm
- Power supply: 15 to 30 VDC
- Output: 0.6 - 15.5 mA
- Linearity error: < 2%
- Protection degree IP67
- 2 m PVC cable

### 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 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	<b>ID 40 CNC 06 AF-K</b>

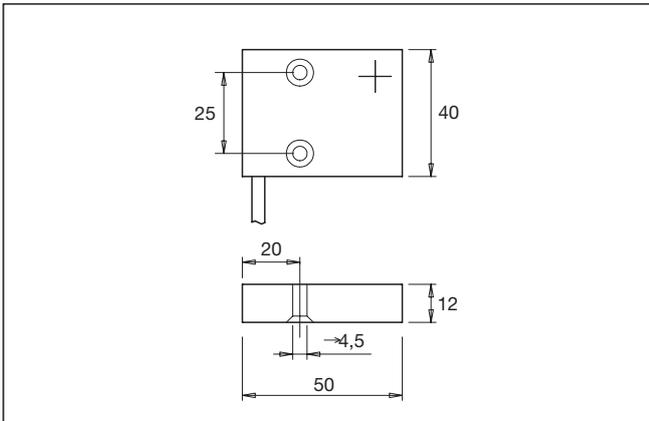
For non-flush mounting.

### Specifications

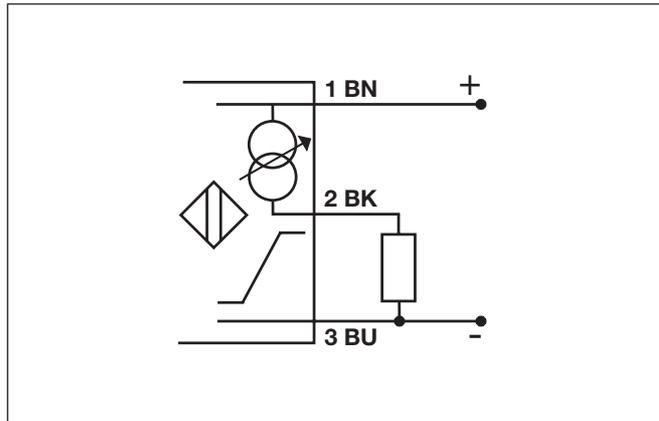
Rated operational volt. ( $U_B$ )	15 to 30 VDC (ripple included)
Ripple	≤ 10%
Output current ( $I_o$ )	0.6 - 15.5 mA
No-load supply current ( $I_o$ )	≤ 35 mA
Load	< 400 Ω
Detecting range	0 - 6 mm
Linearity error	< 2%
Temperature drift	< 4%

Ambient temperature	
Operating	0° to +50°C (32° to +122°F)
Storage	-30° to +75°C (-22° to +167°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing material	Polypropylene
CE-marking	Yes
Connection	
Cable	2 m, PVC, AWG 26

## Dimensions



## Wiring Diagram



## Installation Hints

<p><i>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</i></p>	<p><i>Relief of cable strain</i></p> <p>Incorrect</p> <p>Correct</p> <p>The cable should not be pulled</p>	<p><i>Protection of the sensing face</i></p> <p>A proximity switch should not serve as mechanical stop</p>	<p><i>Switch mounted on mobile carrier</i></p> <p>Any repetitive flexing of the cable should be avoided</p>
--	--	--	---