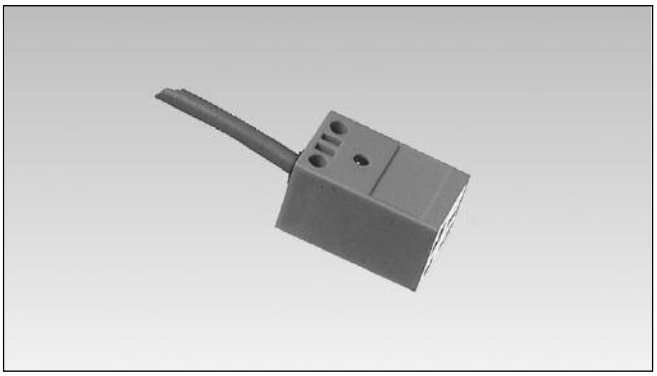
Proximity Sensors Inductive Rectangular Plastic Housings Types IC, Cable



- **Plastic housing**
- **Sensing distance: 4 mm**
- **Non-flush mounting**
- **Output: Transistor, NPN/PNP, normally open**
- **Power supply: 10 to 30 VDC**
- **2 m PVC cable**

Product Description

Inductive proximity sensor in rectangular plast housing. This series is suitable for the control of axial and rotational movements. Output configured as PNP or NPN, normally open. Connection with 2 m PVC cable.

Ordering Key

IC 17 CNC 04 NO-K

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

Type Selection

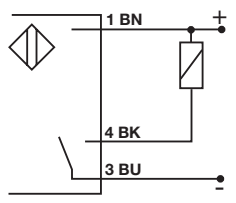
Rated op. dist. (S_n)	Connection	Housing dimensions [mm]	Ordering no. Transistor, NPN Normally open	Ordering no. Transistor, PNP Normally open
4 mm	Cable	17.5 x 17 x 28.5	**IC 17 CNC 04 NO-K**	**IC 17 CNC 04 PO-K**

Specifications

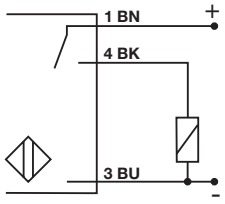
Rated operational volt. (U_B)	10 to 30 VDC (ripple included)
Ripple	≤ 10%
Rated operational current (I_e) Continuous	≤ 100 mA @ 25°C
No-load supply current (I_o)	≤ 12 mA (ON)
Voltage drop (U_d)	< 1 V (@ I_{max}
Frequency of op. cycles (f)	500 Hz
Indication for output ON	LED, yellow

Sensing distance	4 mm
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	-25° to +70°C (-13° to +158°F)
Storage	-30° to +75°C (-22° to +167°F)
Degree of protection	IP 67 (Nema 1, 3, 4, 6, 13)
Housing material	Plastic
CE-marking	Yes
Connection	Cable, 2 m, PVC, AWG 26

Wiring Diagrams

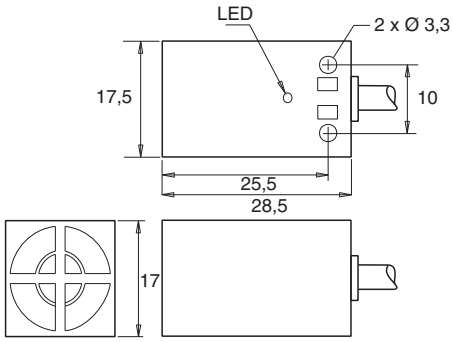


NPN - Normally open



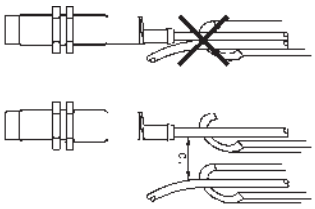
PNP - Normally open

Dimensions

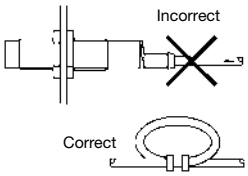


Installation Hints

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

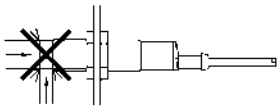


Relief of cable strain



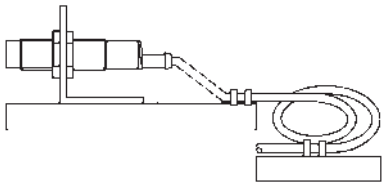
The cable should not be pulled

Protection of the sensing face



A proximity switch should not serve as mechanical stop

Switch mounted on mobile carrier



Any repetitive flexing of the cable should be avoided