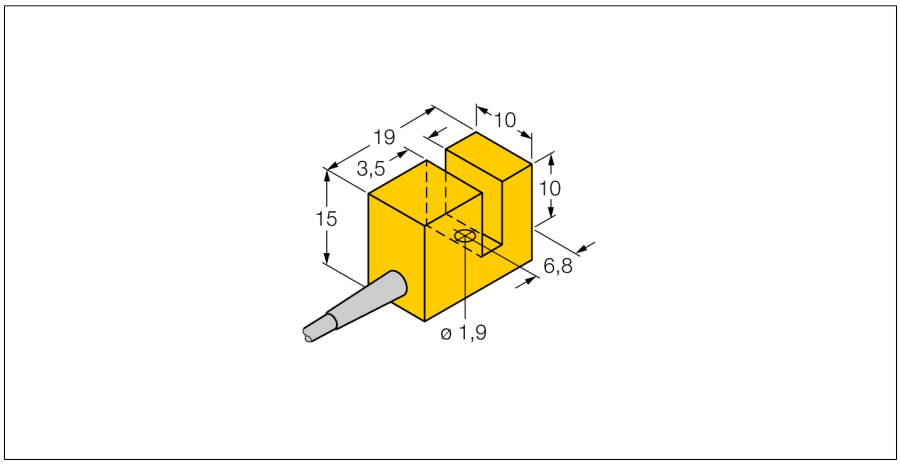
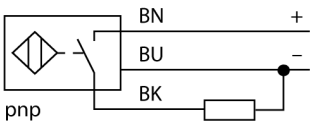
Inductive sensor
Slot-type
SI3,5-K10-AP6X/S258 3M



- **Slot sensor, height 10 mm**
- **Plastic, PBT-GF30-V0**
- **DC 3-wire, 10…30 VDC**
- **NO contact, PNP output**
- **Cable connection**

Wiring diagram



Type code	SI3,5-K10-AP6X/S258 3M
Ident no.	1650049
Slot width	3.5 mm
Repeatability	≤ 2 % of full scale
Temperature drift	≤ ± 10 %
Hysteresis	3…15 %
Ambient temperature	-25…+70 °C
Operating voltage	10…30VDC
Residual ripple	≤ 10 % U_{ss}
DC rated operational current	≤ 200 mA
No-load current I_0	≤ 15 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes/ cyclic
Voltage drop at I_e	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Output function	3-wire, NO contact, PNP
Switching frequency	2 kHz
Construction	slot sensor, K10
Dimensions	19 x 15 x 10 mm
Housing material	plastic, PBT
Material active area	plastic, PBT
Connection	cable
Cable quality	3 mm, black, Lif9Y-11Y, PUR, 2m Suited for E-ChainSystems® acc. to manufacturers declaration H1063M
Cable cross section	3 x 0.14 mm²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP Rating	IP67
MTTF	2283 years acc. to SN 29500 (Ed. 99) 40 °C
Switching state	LED yellow
Included in delivery	1 x M1,8 x 10 (DIN963A)

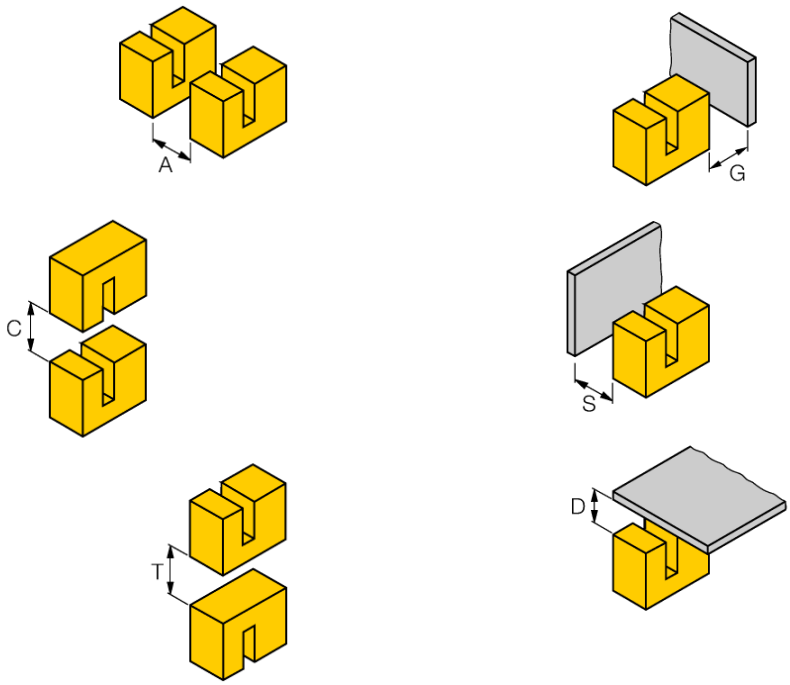
Functional principle

Inductive sensors detect metal objects contactless and wear-free. For this purpose they use a high-frequency electromagnetic AC field that interacts with the target. The sensors hosting a ferrite core coil generate the AC field through an LC resonant circuit.

Edition • 2015-07-27T19:15:24+02:00

Inductive sensor
Slot-type
SI3,5-K10-AP6X/S258 3M

Distance D	0 mm
Distance T	5 mm
Distance S	0 mm
Distance G	0 mm
Distance A	15 mm
Distance C	15 mm



Edition • 2015-07-27T19:15:24+02:00

Hans Turck GmbH & Co.KG ● D-45472 Mülheim an der Ruhr ● Witzlebenstraße 7 ● Tel. 0208 4952-0 ● Fax 0208 4952-264 ● more@turck.com ● www.turck.com