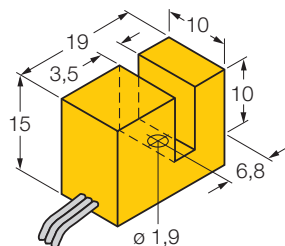
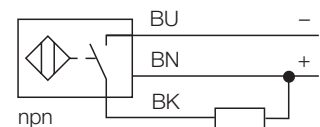


Inductive sensor slot-type Si3,5-K10-AN7



- slot sensor, 10mm high
- plastic, PBT-GF30-V0
- 3-wire DC, 10...30 VDC
- normally open npn output
- TTL compatible
- cable connection

Wiring diagram



Function principles

Inductive proximity switches are designed for wear-free non-contact detection of metal objects. For this they use a high-frequency electro-magnetic AC field that interacts with the target. With inductive sensors, this field is generated by an LC resonant circuit with a ferrite core coil.

Type	Si3,5-K10-AN7
Ident-No.	1719000
Slot width	3,5 mm
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	≤ 2 %
Temperature drift	≤ ± 10 %
Operating temperature	-25 ...+ 70 °C
Rated operational voltage (DC) U_B	10... 30 VDC
Max. ripple	≤ 10 % U _{pp}
Rated operational current (DC) I _B	≤ 200 mA
No-load current I ₀	≤ 10 mA
Max. OFF-state current	≤ 0,1 mA
Max. switching frequency	≤ 2 kHz
Rated insulation voltage	≤ 0,5 kV
Output function	3-wire, normally open, NPN
Short-circuit protection	no
Max. voltage drop at I _B	≤ 0,7 V
Wire breakage / reverse polarity protection	yes / yes (power supply)
Housing style	slot sensor; K10
Dimensions	19 x 15 x 10 mm
Housing material	plastic, PBT-GF30-V0
Active face	plastic, PBT-GF30-V0
Wiring	cable
Leads 1	3 x 0,14 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67

Inductive sensor slot-type Si3,5-K10-AN7

Mounting instructions

	minimum gap
Gap D	0 mm
Gap T	5 mm
Gap S	0 mm
Gap G	0 mm
Gap A	15 mm
Gap C	15 mm

