

PRODUCT: inductive sensors

DESIGN: 200 x 100
400 x 100
400 x 150
700 x 150
900 x 150



The inductive switches of this series are designed as flat sensors. They are in particular used to detect moving sheet metal or steel rods on conveyor belts. The sensors are completely encapsulated, so a good moisture resistance is achieved.

The connection cable can be replaced by loosening a special screw connection and plugged in again.

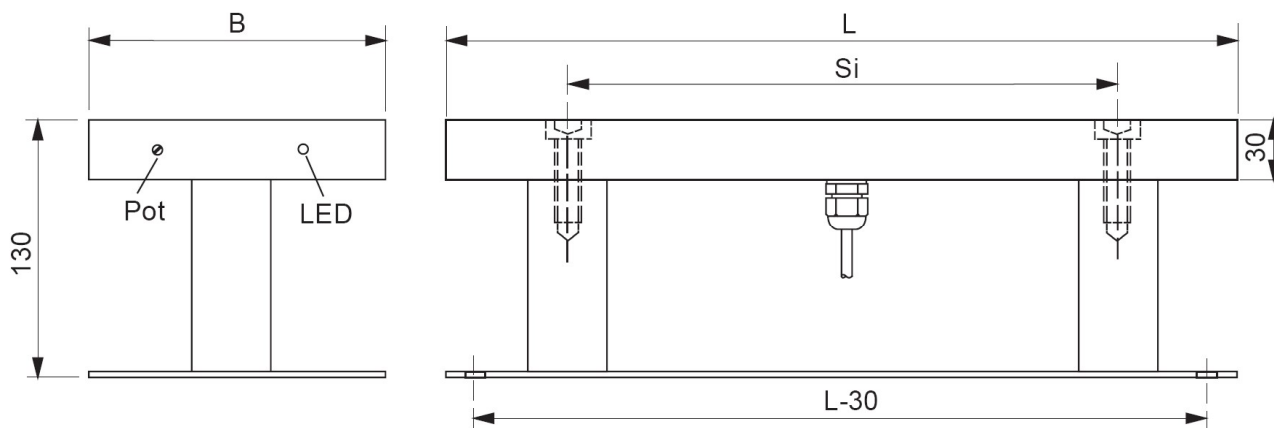
In case of metallic substrates, the switching distance must be reduced due to the increased environmental influence.

The switching distance is adjustable by a potentiometer on the side.

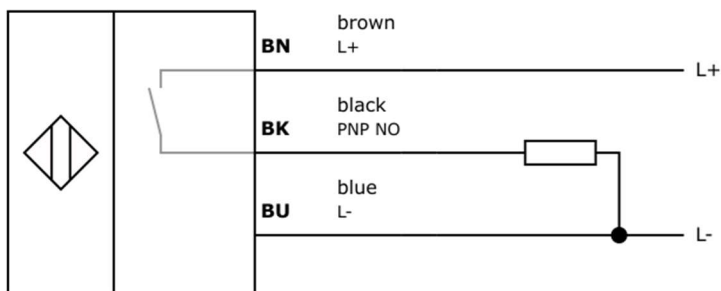
Technical data and list of articles

	IN990468	IN990564	IN990035	IN98C794	IN990066
switching distance Sn [mm]	100	100	130	150	180
adjustable range max. [mm]	120	150	170	200	250
dimensions [mm]					
L	200	400	400	700	900
B	100	100	150	150	150
Si	108	280	230	190	182
operating voltage	10 ... 55V DC, 15% residual ripple				
voltage drop (max. load)	2V				
current consumption (w/o load)	4mA				
switching output	pnp, no				
output current (max. load)	400mA				
overcurrent release (approx.)	430mA				
switching frequency	10Hz				
hysteresis	10%				
operating temperature	-25 ... +75°C				
correction factors	St 37: 1	AL: 0.4	V4A: 0.65	Cu: 0.45	Zn: 0.5 Ms: 0.6
EMC-Class	A				
degree of protection (EN 60529)	IP 67				
housing material	PVC / Aluminium				
electrical connection	PG-plug connection, 2m PVC-cable 3x0.5mm ²				

Drawing



Electrical Connection



SAFETY WARNINGS:

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!
 Never use these articles in applications where the safety of a person depends on their functionality.