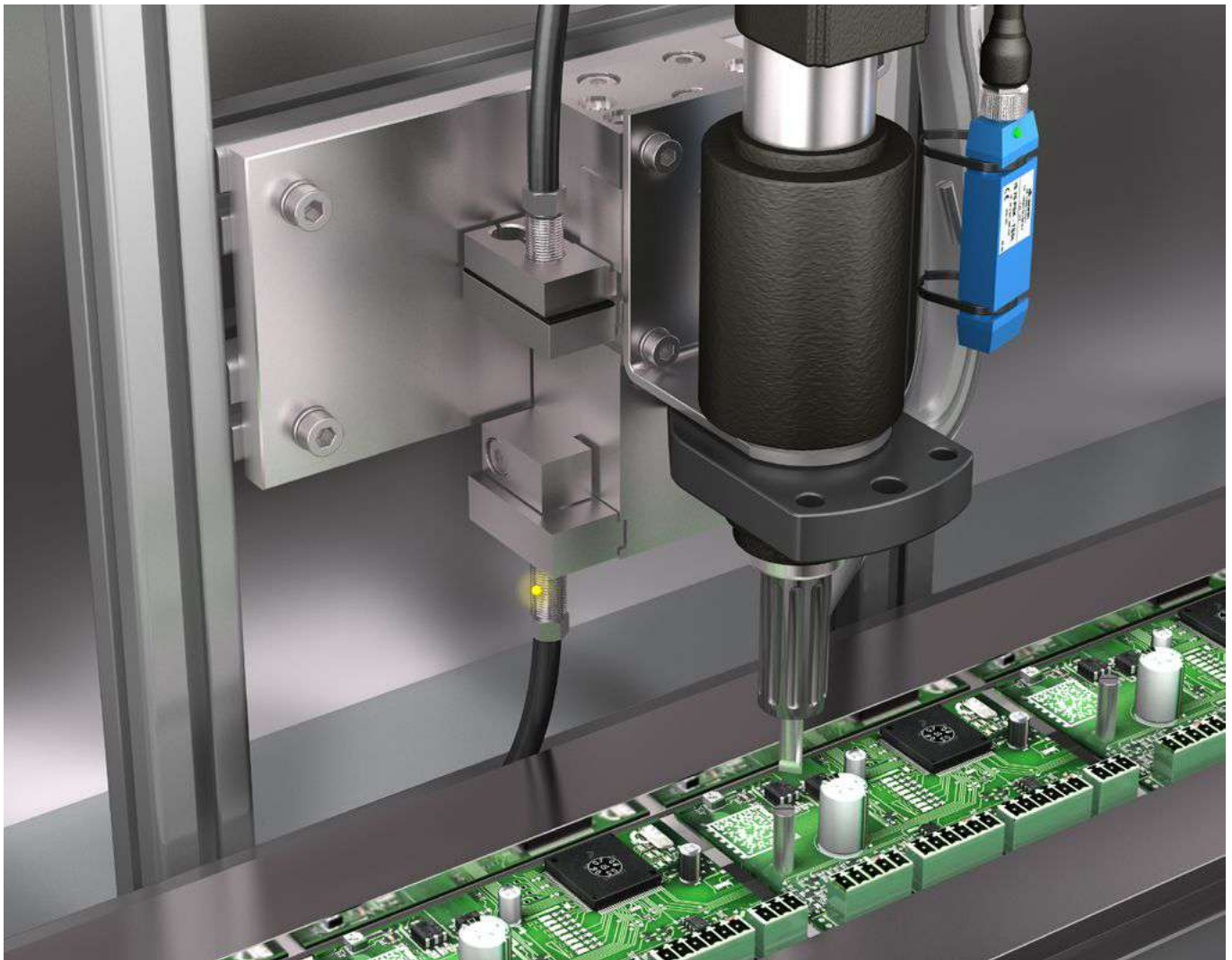


Inductive tube sensors



The area of application of our tube sensors is parts detection and counting. The static and dynamic evaluation principle enables a simple accumulation monitoring to be implemented. The compact sensors with a universal fastening system can be quickly adapted to different tube cross-sections without having to dismantle the supply tube.

IS STATIC

Our inductive tube sensors in static design can detect the smallest metallic parts reliably. They are very well suited for quickly supplied parts and for the detection of material accumulation. They are available in the size 70 x 20 x 12 mm.



Technical data (typ.)	+20 °C, 24 VDC
Service voltage	10 to 35 V DC
Voltage drop	2.0 V
Shock/vibration load	30 g _n /10to55 Hz, 1 mm
Speed of parts	<35 m/s
Ambient temperature	-25 to 70 °C
Protection class	IP 67
Insulation proof voltage	500 V
LED display	Switching output yellow, operation green
Housing material	Polycarbonate

	Housing design Size (mm)	Evaluation: Static (S) / Dynamic (D)	No-load current (mA)	Switching output	Pulse stretching (ms)	Cable length, Plug connector	Product description
IS Static							
	70 x 20 x 12	S	15	pnp, 200 mA, NO	100	M8	IS 70 PSK-TSSL
				npn, 200 mA, NO			IS 70 NSK-TSSL
				pnp, 200 mA, NO		0.5m/M12	IS 70 PSLK-K-BS
				npn, 200 mA, NO			IS 70 NSLK-K-BS

ISDP DYNAMIC

Our tube sensors with dynamic evaluation have a high resolution and a short response time. Contaminants with metallic content are automatically hidden. The sensors can be assembled afterward and can be fixed with cable ties. They stand out thanks to their low weight, their compact design and the high protection class IP 67. They also have a metallic connecting plug.



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Service voltage	10 to 35 V DC
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Protection class	IP 67
Insulation proof voltage	500 V
LED display	Switching output yellow, operation green
Housing material	Polycarbonate

	Housing design Size (mm)	Evaluation: Static (S) / Dynamic (D)	No-load current (mA)	Switching output	Pulse stretching (ms)	Cable length, Plug connector	Product description
ISDP Dynamic							
	70 x 20 x 12	D	25	pnp, 200 mA, NO	100	M8	ISDP 70 PSK-TSSL
				npn, 200 mA, NO			ISDP 70 NSK-TSSL
				pnp, 200 mA, NO		0.5m/M12	ISDP 70 PSLK-K-BS
				npn, 200 mA, NO			ISDP 70 NSLK-K-BS