

From our product range

- » Anti-collision sensors
- » Capacitive sensors
- » Colour sensors
- » Contrast sensors
- » Distance sensors
- » Fibre optics
- » Inductive sensors
- » Laser sensors
- » Line cameras
- » Miniature sensors
- » Optical windows
- » Proximity switches
- » Retroreflective sensors
- » SmartPlug
- » Slot sensors
- » Through-beam sensors
- » Ultrasonic sensors
- » Vision sensors

Our concept: Speed combined with innovation, quality and customer awareness



Since the day we were founded, our investments in research and development have been way above average for this branch, and have laid the foundation for customer satisfaction and continuous growth. Today SensoPart is one of the leading suppliers of industrial sensors – including **distance sensors, vision sensors, laser sensors and colour sensors.** Recognition by independent experts is prominent evidence of our work. Indeed SensoPart has received numerous distinctions and prizes over the past years. We have been rewarded for the clear goal behind of our innovations – achieving customer satisfaction with convincing performance data and clever ideas.

- » Dr Rudolph Eberle Prize for Innovation 2001
- » Baden Württemberg Sponsorship award for Young Companies 2002
- » German Sensor Application Prize 2003
- » German Sensor Application Prize 2004
- » Dr Rudolph Eberle Prize for Innovation 2006
- » Top100 Prize for Innovation 2008

 **SENSOPART**
SENSORS FOR AUTOMATION

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 **SENSOPART**

INDUCTIVE SENSORS



At a glance

- Economic solution for the non-contact detection of metallic objects
- Many sizes available, from versions with a diameter of 4 mm to M30 and cubic casings
- Standard or increased switching distance
- For flush or non-flush mounting
- Scanning distances from 0.8 to 15 mm
- Plug or cable versions for universal connector systems

Reliable detection. In all sizes.

Inductive sensors detect metallic objects and are usually the most economic solution for non-contact detection.

Thanks to their high repeatability, inductive sensors work extremely precise. Their simple design and uncomplicated set-up without any further settings ensure minimal downtimes.

Whether used in robotics, assembly and materials handling, factory automation or in machine construction: Inductive sensors operate reliably and maintenance-free, and due to the wide range of sizes they are very versatile.

INDUCTIVE SENSORS WITH STANDARD SWITCHING DISTANCE					
Housing size	Part no.	Type code	Short description	Connection type	
ø 4 mm	697-01000	IDT 4-0B8-NS-K3	flush, Sn 0.8, NPN / NO	cable 2 m	
	697-01001	IDT 4-0B8-PS-K3	flush, Sn 0.8, PNP / NO	cable 2 m	
	697-01002	IDT 4-0B8-NS-M3	flush, Sn 0.8, NPN / NO	M8 3-pin	
M5	697-01003	IDT 4-0B8-PS-M3	flush, Sn 0.8, PNP / NO	M8 3-pin	
	697-01004	IMT 5-0B8-NS-K3	flush, Sn 0.8, NPN / NO	cable 2 m	
	697-01005	IMT 5-0B8-PS-K3	flush, Sn 0.8, PNP / NO	cable 2 m	
M8	697-01006	IMT 5-0B8-NS-M3	flush, Sn 0.8, NPN / NO	M8 3-pin	
	697-01007	IMT 5-0B8-PS-M3	flush, Sn 0.8, PNP / NO	M8 3-pin	
	697-01008	IMT 8-1B5-NS-K3	flush, Sn 1.5, NPN / NO	cable 2 m	
M8	697-01009	IMT 8-1B5-PS-K3	flush, Sn 1.5, PNP / NO	cable 2 m	
	697-01010	IMT 8-1B5-NS-L4	flush, Sn 1.5, NPN / NO	M12 4-pin	
	697-01011	IMT 8-1B5-PS-L4	flush, Sn 1.5, PNP / NO	M12 4-pin	
	697-01012	IMT 8-2N-NS-K3	non-flush, Sn 2, NPN / NO	cable 2 m	
	697-01013	IMT 8-2N-PS-K3	non-flush, Sn 2, PNP / NO	cable 2 m	
	697-01014	IMT 8-2N-NS-L4	non-flush, Sn 2, NPN / NO	M12 4-pin	
	697-01015	IMT 8-2N-PS-L4	non-flush, Sn 2, PNP / NO	M12 4-pin	
	M12	697-01016	IMT 12-2B-NS-K3	flush, Sn 2, NPN / NO	cable 2 m
		697-01017	IMT 12-2B-PS-K3	flush, Sn 2, PNP / NO	cable 2 m
		697-01018	IMT 12-2B-NS-L4	flush, Sn 2, NPN / NO	M12 4-pin
	M12	697-01019	IMT 12-2B-PS-L4	flush, Sn 2, PNP / NO	M12 4-pin
		697-01020	IMT 12-4N-NS-K3	non-flush, Sn 4, NPN / NO	cable 2 m
697-01021		IMT 12-4N-PS-K3	non-flush, Sn 4, PNP / NO	cable 2 m	
M12	697-01022	IMT 12-4N-NS-L4	non-flush, Sn 4, NPN / NO	M12 4-pin	
	697-01023	IMT 12-4N-PS-L4	non-flush, Sn 4, PNP / NO	M12 4-pin	
	M18	697-01024	IMT 18-5B-NS-K3	flush, Sn 5, NPN / NO	cable 2 m
697-01025		IMT 18-5B-PS-K3	flush, Sn 5, PNP / NO	cable 2 m	
697-01026		IMT 18-5B-NS-L4	flush, Sn 5, NPN / NO	M12 4-pin	
M18	697-01027	IMT 18-5B-PS-L4	flush, Sn 5, PNP / NO	M12 4-pin	
	697-01028	IMT 18-8N-NS-K3	non-flush, Sn 8, NPN / NO	cable 2 m	
	697-01029	IMT 18-8N-PS-K3	non-flush, Sn 8, PNP / NO	cable 2 m	
M18	697-01030	IMT 18-8N-NS-L4	non-flush, Sn 8, NPN / NO	M12 4-pin	
	697-01031	IMT 18-8N-PS-L4	non-flush, Sn 8, PNP / NO	M12 4-pin	
	M30	697-01032	IMT 30-10B-NS-K3	flush, Sn 10, NPN / NO	cable 2 m
697-01033		IMT 30-10B-PS-K3	flush, Sn 10, PNP / NO	cable 2 m	
697-01034		IMT 30-10B-NS-L4	flush, Sn 10, NPN / NO	M12 4-pin	
M30	697-01035	IMT 30-10B-PS-L4	flush, Sn 10, PNP / NO	M12 4-pin	
	697-01036	IMT 30-15N-NS-K3	non-flush, Sn 15, NPN / NO	cable 2 m	
	697-01037	IMT 30-15N-PS-K3	non-flush, Sn 15, PNP / NO	cable 2 m	

	697-01038	IMT 30-15N-NS-L4	non-flush, Sn 15, NPN / NO	M12 4-pin	
	697-01039	IMT 30-15N-PS-L4	non-flush, Sn 15, PNP / NO	M12 4-pin	
INDUCTIVE SENSORS WITH INCREASED SWITCHING DISTANCE					
Housing size	Part no.	Type code	Short description	Connection type	
ø 6.5 mm	697-01040	IDT 6-2B-PS-K3	flush, Sn 2, PNP / NO	cable 2 m	
	697-01041	IDT 6-2B-NS-K3	flush, Sn 2, NPN / NO	cable 2 m	
	697-01042	IDT 6-2B-PS-M3	flush, Sn 2, PNP / NO	M8 3-pin	
M8	697-01043	IDT 6-2B-NS-M3	flush, Sn 2, NPN / NO	M8 3-pin	
	697-01044	IMT 8-2B-PS-K3	flush, Sn 2, PNP / NO	cable 2 m	
	697-01045	IMT 8-2B-NS-K3	flush, Sn 2, NPN / NO	cable 2 m	
M8	697-01046	IMT 8-2B-PS-M3	flush, Sn 2, PNP / NO	M8 3-pin	
	697-01047	IMT 8-2B-NS-M3	flush, Sn 2, NPN / NO	M8 3-pin	
	M12	697-01048	IMT 12-4B-PS-K3	flush, Sn 4, PNP / NO	cable 2 m
697-01049		IMT 12-4B-NS-K3	flush, Sn 4, NPN / NO	cable 2 m	
697-01050		IMT 12-4B-PS-L4	flush, Sn 4, PNP / NO	M12 4-pin	
M12	697-01051	IMT 12-4B-NS-L4	flush, Sn 4, NPN / NO	M12 4-pin	
	M18	697-01052	IMT 18-8B-PS-K3	flush, Sn 8, PNP / NO	cable 2 m
		697-01053	IMT 18-8B-NS-K3	flush, Sn 8, NPN / NO	cable 2 m
697-01054		IMT 18-8B-PS-L4	flush, Sn 8, PNP / NO	M12 4-pin	
M18	697-01055	IMT 18-8B-NS-L4	flush, Sn 8, NPN / NO	M12 4-pin	
	M30	697-01056	IMT 30-15B-PS-K3	flush, Sn 15, PNP / NO	cable 2 m
		697-01057	IMT 30-15B-NS-K3	flush, Sn 15, NPN / NO	cable 2 m
697-01058		IMT 30-15B-PS-L4	flush, Sn 15, PNP / NO	M12 4-pin	
M30	697-01059	IMT 30-15B-NS-L4	flush, Sn 15, NPN / NO	M12 4-pin	
CUBIC INDUCTIVE SENSORS					
Housing size	Part no.	Type code	Short description	Connection type	
40 x 26 x 12 mm	697-01060	IT 12-4B-NS-K3	flush, Sn 4, NPN / NO	cable 2 m	
	697-01061	IT 12-4B-PS-K3	flush, Sn 4, PNP / NO	cable 2 m	
	697-01062	IT 12-4B-NS-M3	flush, Sn 4, NPN / NO	M8 3-pin	
	697-01063	IT 12-4B-PS-M3	flush, Sn 4, PNP / NO	M8 3-pin	
	697-01064	IT 12-8N-NS-K3	non-flush, Sn 8, NPN / NO	cable 2 m	
	697-01065	IT 12-8N-PS-K3	non-flush, Sn 8, PNP / NO	cable 2 m	
	697-01066	IT 12-8N-NS-M3	non-flush, Sn 8, NPN / NO	M8 3-pin	
16 x 8 x 5 mm	697-01067	IT 12-8N-PS-M3	non-flush, Sn 8, PNP / NO	M8 3-pin	
	697-01068	IT 8-1B5K-PS-K3	flush, Sn 1.5, PNP / NO	strand 3 x 0.5 m	
27 x 10 x 7 mm	697-01069	IT 8-1B5K-NS-K3	flush, Sn 1.5, NPN / NO	strand 3 x 0.5 m	
	697-01070	IT10-4N-PS-K3	non-flush, Sn 4, PNP / NO	cable 2 m	
27 x 10 x 7 mm	697-01071	IT10-4N-NS-K3	non-flush, Sn 4, NPN / NO	cable 2 m	

