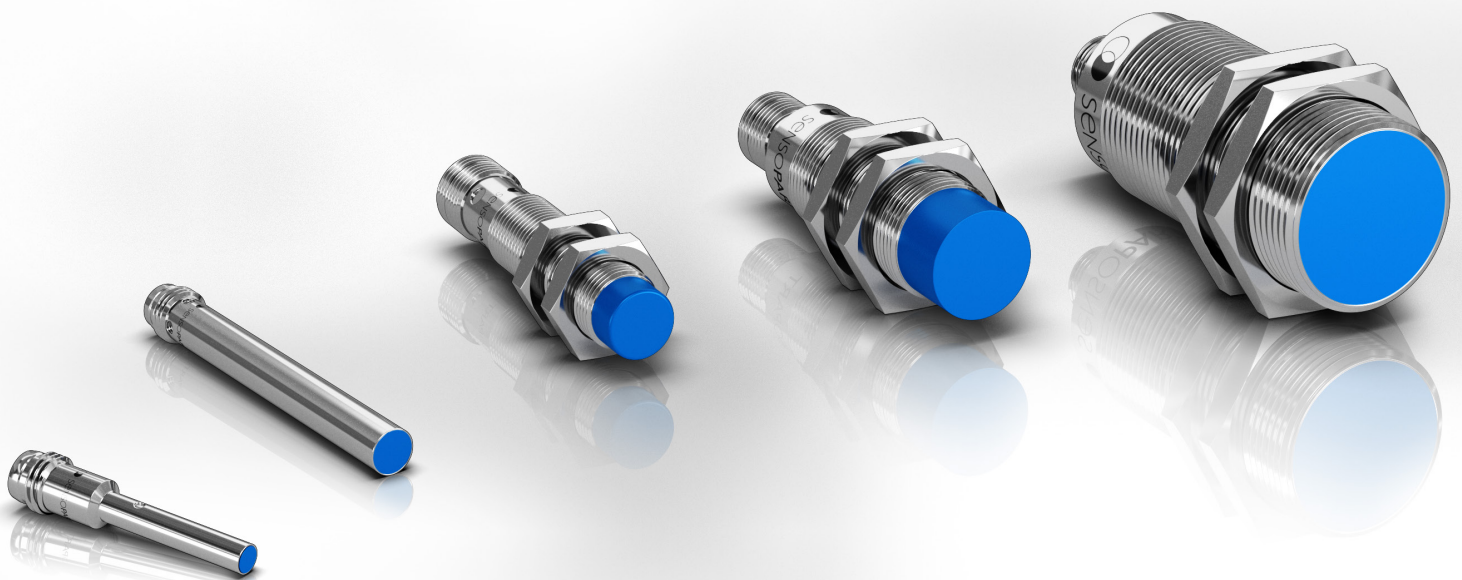


Inductive Sensors

the metal detectors

Highlights

- Reliable detection of metallic objects
- Product versions for standard or increased switching distances
- Robust housing variants in metal, plastic or completely made of stainless steel
- Different designs for flush, quasi-flush and non-flush mounting
- Variants with IO-Link 1.1 or analog output – IO-Link sensors can be operated in IO-Link or standard I/O mode



STANDARD barrel type with IO-Link

Series	Switching distance S_n [mm]	Switching frequency [kHz]	Mounting	Order number	Order code
Ø3	1	≤ 3	flush	996-01000	IDT 3-S-B2-PSL-KM3
M4	1	≤ 3	flush	996-01001	IMT 4-S-B2-PSL-KM3
Ø4	1.5	≤ 3	flush	996-01002	IDT 4-S-B2-PSL-M3M
M5	1.5	≤ 3	flush	996-01003	IMT 5-S-B2-PSL-M3M
Ø6.5	2	≤ 5	flush	996-01004	IDT 6-S-B2-PSL-M3M
Ø6.5	4	≤ 3.5	non flush	996-01005	IDT 6-S-NB2-PSL-M3M
M8	2	≤ 5	flush	996-01006	IMT 8-S-B2-PSL-M3M
M8	4	≤ 3.5	non flush	996-01007	IMT 8-S-NB2-PSL-M3M
M12	4	≤ 2.5	flush	996-01008	IMT 12-S-B2-PSL-L4M
M12	8	≤ 1.4	non flush	996-01009	IMT 12-S-NB2-PSL-L4M
M18	8	≤ 1.5	flush	996-01010	IMT 18-S-B2-PSL-L4M
M18	12	≤ 0.5	non flush	996-01011	IMT 18-S-NB2-PSL-L4M
M30	10	≤ 1.2	flush	996-01012	IMT 30-S-B2-PSL-L4M
M30	25	≤ 0.2	non-flush	996-01013	IMT 30-S-NB2-PSL-L4M

INCREASED barrel type with IO-Link

Series	Switching distance S_n [mm]	Switching frequency [Hz]	Mounting	Order number	Order code
Ø4	2.5	≤ 800	quasi flush	996-01014	IDT 4-S-QB3-PSL-M3M
M5	2.5	≤ 800	quasi flush	996-01015	IMT 5-S-QB3-PSL-M3M
Ø6.5	3	≤ 1000	quasi flush	996-01016	IDT 6-S-QB3-PSL-M3M
M8	3	≤ 1000	quasi flush	996-01017	IMT 8-S-QB3-PSL-M3M
M8	6	≤ 500	non flush	996-01018	IMT 8-S-NB3-PSL-M3M
M12	6	≤ 800	quasi flush	996-01019	IMT 12-S-QB3-PSL-L4M
M12	10	≤ 400	non flush	996-01020	IMT 12-S-NB3-PSL-L4M
M18	12	≤ 600	quasi flush	996-01021	IMT 18-S-QB3-PSL-L4M
M18	20	≤ 500	non flush	996-01022	IMT 18-S-NB3-PSL-L4M
M30	22	≤ 200	quasi flush	996-01023	IMT 30-S-QB3-PSL-L4M
M30	36	≤ 65	non flush	996-01024	IMT 30-S-NB3-PSL-L4M

FULL INOX, factor 1, barrel type with IO-Link

Series	Switching distance S_n [mm]	Switching frequency [Hz]	Mounting	Order number	Order code
M8	3	≤ 1200	flush	996-01025	IMT 8-FM-S-B2-PSL-M3M
M8	6	≤ 700	non flush	996-01026	IMT 8-FM-S-NB2-PSL-M3M
M12	6	≤ 600	flush	996-01027	IMT 12-FM-S-B2-PSL-L4M
M12	10	≤ 400	non flush	996-01028	IMT 12-FM-S-NB2-PSL-L4M
M18	10	≤ 200	flush	996-01029	IMT 18-FM-S-B2-PSL-L4M
M18	20	≤ 200	non flush	996-01030	IMT 18-FM-S-NB2-PSL-L4M
M30	20	≤ 125	flush	996-01031	IMT 30-FM-S-B2-PSL-L4M
M30	40	≤ 90	non flush	996-01032	IMT 30-FM-S-NB2-PSL-L4M

CUBIC with IO-Link

Series	Switching distance S_n [mm]	Switching frequency [kHz]	Mounting	Order number	Order code
5x5	1.5	≤ 3	flush	996-01039	IKT 5-S-B2-PSL-KM3
8x8	3	≤ 1	quasi flush	996-01040	IKT 8-S-QB3-PSL-M3M
8x8	2	≤ 5	flush	996-01041	IKT 8-S-B2-PSL-M3M
40x40	20	≤ 0.1	flush	996-01042	IKT 40-S-B2-PSL-L4M
40x40	40	≤ 0.1	non flush	996-01043	IKT 40-S-NB3-PSL-L4M

ANALOG barrel type

Series	Operating range [mm]	Repeatability [mm]	Mounting	Order number	Order code
M8	0 ... 4	± 0.2	quasi flush	996-01033	IMT 8-A-QB3-PS-M3M
M12	0 ... 6	± 0.32	quasi flush	996-01034	IMT 12-A-QB3-PS-L4M
M18	0 ... 10	± 0.2	quasi flush	996-01035	IMT 18-A-QB3-PS-L4M
M18	0 ... 20	± 0.2	non flush	996-01036	IMT 18-A-NB3-PS-L4M
M30	0 ... 20	± 0.02	quasi flush	996-01037	IMT 30-A-QB3-PS-L4M
M30	0 ... 40	± 0.35	non flush	996-01038	IMT 30-A-NB3-PS-L4M