



Position sensors and object recognition

Inductive sensors for hazardous areas: Robust all around.



Category 3D (zone 22) and category 3G (zone 2).

- Full-metal threaded housings from M12 to M30.
- Rectangular designs with sensing ranges up to 40 mm.
- M12 ecolink connectors for a secure connection.
- High vibration and shock resistance.
- Versions in 3 and 4-wire technology.



High-grade stainless steel



Rectangular

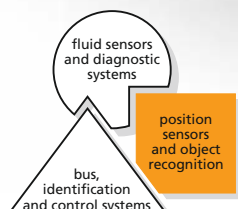
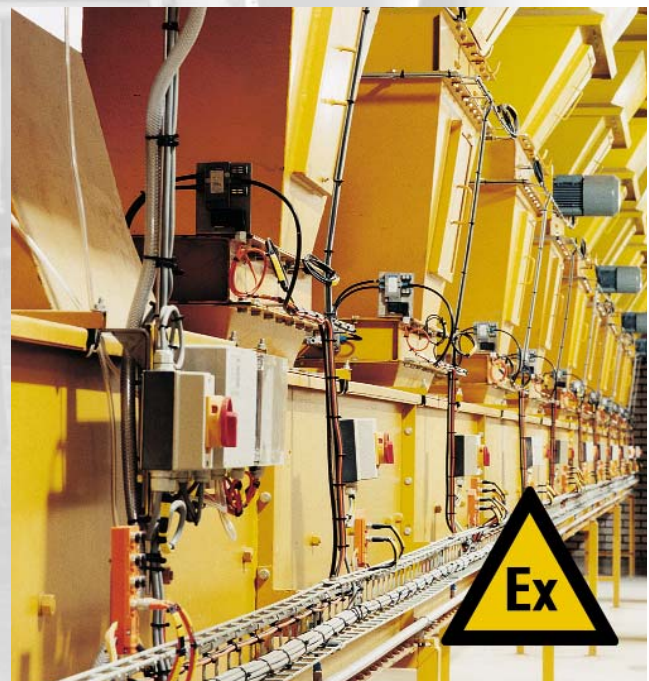
The sensors of the IMC rectangular design are particularly suited for use in conveying. The two clearly visible LEDs indicating the sensing and operating states can be seen even under adverse installation conditions.

Unbeatable

Both the threaded body and the sensing face of the housing are made of stainless steel.

Unique

ifm connectors of the ecolink series comply with the strict standard requirements and may be used in hazardous areas of the categories 2D, 3D and 3G.




fluid sensors and diagnostic systems

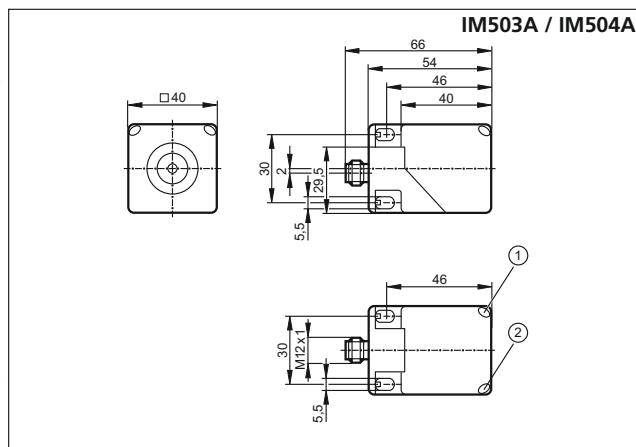
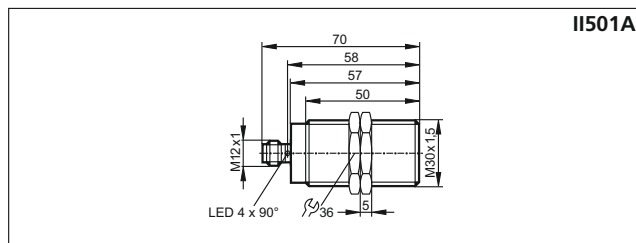
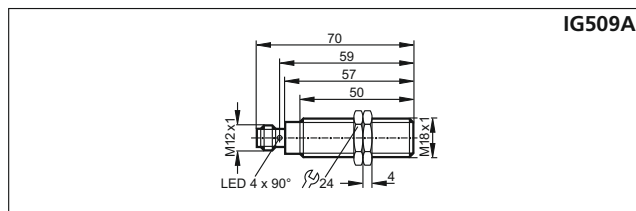
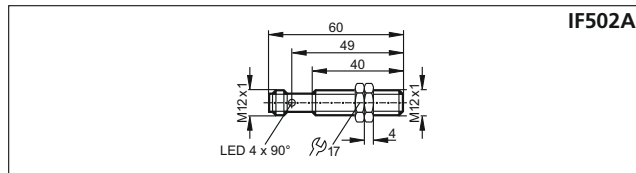
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bus, identification and control systems

Applications:
Silo hatches, elevators, etc.

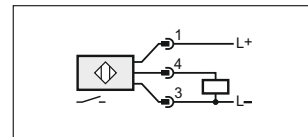
Type	Dimensions Length [mm]	Sensing range [mm]	f [Hz]	Ambient temperature [°C]	Housing material	Order no.
M12 connector · output function  · 3-wire DC PNP						
M12	L = 60	3 f	100	0...60	high-grade stainless steel	IF502A
M18	L = 70	5 f	100	0...60	high-grade stainless steel	IG509A
M30	L = 70	10 f	50	0...60	high-grade stainless steel	II501A
M12 connector · output function complementary · 4-wire DC PNP						
rectangular	40 x 40	40 nf	100	0...50	PA	IM503A
rectangular	40 x 40	20 f	100	0...50	PA	IM504A

Dimensions

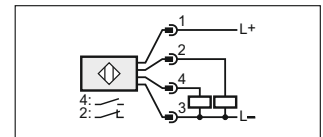


- 1) LED yellow
- 2) LED green

Wiring diagram




IF502A, IG509A, II501A







IM503A, IM504A

Accessories

Type	Description	Order no.
	Angle bracket for type M12, stainless steel	E10735
	Angle bracket for type M18, stainless steel	E10736
	Angle bracket for type M30, stainless steel	E10737
	Mounting set, angled for clamp mounting, high-grade stainless steel	E11119
	Mounting set, straight for clamp mounting, high-grade stainless steel	E11120

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M12, 4-pole, 2 m black, PUR cable	EVC04A
	Socket, M12, 4-pole, 5 m black, PUR cable	EVC05A
	Connection cable, M12, 4-pole, 2 m black, PUR cable	EVC07A
	Connection cable, M12, 4-pole, 5 m black, PUR cable	EVC12A

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