



Precision in confined spaces

Miniature inductive sensors

- M5 housing or cylindrical smooth 4 mm housing for confined installation conditions
- Longer sensing range for accurate and reliable position detection
- High switching frequency for dynamic processes
- Robust housing for demanding industrial environments
- Simplify connection

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IP67

Type	Electrical design	Switching output	M8 connector Order no.	2 m cable Order no.
M5x0,5	PNP	NO	IY5062	IY5066
M5x0,5	PNP	NC	IY5063	IY5067
M5x0,5	NPN	NC	IY5064	IY5069
M5x0,5	NPN	NO	IY5065	IY5068
Ø 4 mm	PNP	NO	IZ5057	IZ5061
Ø 4 mm	PNP	NC	IZ5058	IZ5062
Ø 4 mm	NPN	NC	IZ5059	IZ5064
Ø 4 mm	NPN	NO	IZ5060	IZ5063

Applications

The inductive IY/IZ type sensors are used in various industrial areas where space is limited, for example, in machine tools, assembly automation and electronics production. They detect end positions of small grippers and clamps, can be used to accurately monitor speed of gears and rotary movements.

Longer sensing range for stable processes

The longer sensing range makes it easy to position the sensors. The position detection is reliable even in case of mechanical tolerances, avoiding accidental switching. This increases the process reliability.

Installation

The M5 thread makes it easy to screw in the IY housing. The IZ housing has a 4 mm smooth sleeve and can be fastened precisely and efficiently using the corresponding holder.

Protection rating IP67 for challenging environmental conditions

The robust housing has been specially developed for demanding industrial environments and offers durability and reliability. Thanks to protection rating IP67, the sensors guarantee reliable performance even under extreme conditions such as dust, moisture and vibrations, which improves process stability and efficiency in various industrial sectors.

Technical data		
Sensing range	[mm]	1.5
Installation		flush mountable
Current rating	[mA]	100
Operating voltage	[V]	10...30
Switching frequency	[Hz]	2000
Housing material		Sensing face: POM orange Housing: stainless steel
Switching status indication		LED yellow
Protection rating		IP65 IP67

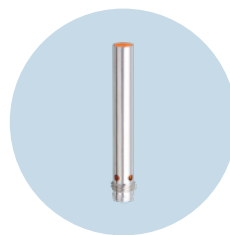
BEST FRIENDS



Connection cables M8
Reliable connections for harsh environments



Inductive sensors M8
Compact housings and long sensing ranges



Smooth sleeve inductive sensors
Space-saving sensors for limited space



For further technical details, please visit:
ifm.com/fs/IY5062