



Precision in confined spaces

Miniature inductive sensors with M8 connector

- M5 housing or cylindrical smooth 4 mm housing for confined installation conditions
- Longer sensing range for accurate and reliable position detection
- High switching frequencies for dynamic processes
- Robust housing for demanding industrial environments
- M8 connector simplifies connection

ifm – close to you!



IP67

Type	Electrical design	Switching output	Order no.
3-wire sensors with M8 connector - housing length: 40 mm			
M5x1	PNP	normally open	IY5062
M5x1	PNP	normally closed	IY5063
M5x1	NPN	normally closed	IY5064
M5x1	NPN	normally open	IY5065
Ø 4 mm	PNP	normally open	IZ5057
Ø 4 mm	PNP	normally closed	IZ5058
Ø 4 mm	NPN	normally closed	IZ5059
Ø 4 mm	NPN	normally open	IZ5060

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
Current rating	[mA]	100
Operating voltage	[V]	10...30
Switching frequency	[Hz]	2000
Housing material		sensing face: PBT orange housing: stainless steel LED window: PEI
Switching status indication		4x yellow LED
Protection rating		IP67

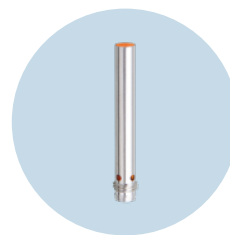
BEST FRIENDS



M8 connection cables
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