



Position sensors

2 in 1: Sensors with IO-Link and digital switching signal



Inductive sensors



Simultaneous transmission of comprehensive process data and fast switching signals

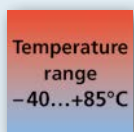
- ↻ Permanent distance information makes mechanical changes visible at an early stage
- ↻ Diagnostic information helps to reduce downtimes
- ↻ Configurable functions increase versatility and reduce stock-keeping



IO-Link



**IP 67
IP 68
IP 69 K**



**Temperature range
-40...+85°C**



Vibration and shock resistant



Fast switching, permanent diagnostics

With these inductive sensors, the Y path, i.e. the provision of sensor information for both the analogue and digital worlds, begins in the sensor itself.

The sensor thus enables the best of both worlds - via only one connection cable: Fast switching operations can be transmitted to the controller via a switching signal, while changes in the distance between the sensor and the target, for example, can be continuously monitored and transmitted to the IT level via IO-Link.

This allows to identify maintenance requirements at an early stage and avoid expensive unplanned downtimes.



Type	Total length [mm]	Measuring range [mm]	Installation	Protection rating	Order no.
M12	60	0.375...3.75	flush	IP 65...IP 69K	IF6137
M12	60	0.7...7	non flush	IP 65...IP 69K	IF6138
M18	60	0.75...7.5	flush	IP 65...IP 69K	IG6214
M18	60	1.3...13	non flush	IP 65...IP 69K	IG6215
M30	65	1.3...13	flush	IP 65...IP 69K	I15983
M30	65	2.3...23	non flush	IP 65...IP 69K	I15984
rectangular	40 x 40	2.1...21	flush	IP 67	IM5183
rectangular	40 x 40	2.6...26	non flush	IP 67	IM5184

Accessories

Type	Description	Order no.
	Angle bracket for type M12	E10735
	Angle bracket for type M18	E10736
	Angle bracket for type M30	E10737
	Mounting clamp with end stop for type M12	E11994
	Mounting clamp with end stop for type M18	E11995
	Mounting clamp with end stop for type M30	E11996
	1-port IO-Link master (connects IO-Link sensors to the PC via USB)	AL1060
	Memory plug, parameter memory for IO-Link sensors	E30398
	IO-Link master, EtherNet/IP, 4 ports	AL1320
	moneo configure SA (Stand-alone) licence, software for online and offline parameter setting of IO-Link devices including maintenance and support until the end of the following year	QMP010

Connection technology

	M12 connection cable, straight, 2 m black, PUR cable	EVC001
	M12 connection cable, straight, 5 m black, PUR cable	EVC002
	M12 connection cable, angled, 2 m grey, PUR cable	EVC004
	M12 connection cable, angled, 5 m grey, PUR cable	EVC005

Further technical data

Electrical design	[DC]	PNP / NPN (can be set via IO-Link)
Output functions		NC / NO (adjustable via IO-Link)
Operating voltage	[V DC]	10...30
Current rating output	[mA]	100
Reverse polarity protection		Yes
Short-circuit protection		Yes
Protection class		III
Switching status indication	[LED]	yellow

IO-Link

V1.1; COM2;
3.2 ms cycle time;
Smart sensor profiles;
Single point mode;
Two point mode;
Window mode

