

Keep a close eye on more than just the end positions

T-slot and C-slot cylinder sensors with IO-Link

- Monitoring end positions with flexible tolerances
- End position setting aid with second LED
- Inline quality monitoring with 50 mm detection range
- Monitoring critical pneumatic cylinders using the switching cycle counter
- Fast fault localisation thanks to extensive diagnostic functions



ifm – close to you!

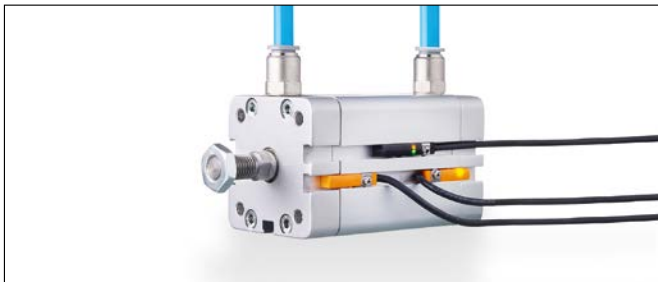
Number of outputs physical / digital	Connection type	Connector type	Number of conductors	T-slot Order no.	C-slot Order no.
1 / 2	2 m cable	–	3	–	MK5800
2 / 2	2 m cable	–	4	MK5904	–
1 / 2	0.3 m pigtail	M8 fix	3	MK5905	MK5801
1 / 2	0.3 m pigtail	M8 rotatable	3	MK5906	MK5802
2 / 2	0.3 m pigtail	M8 rotatable	4	MK5907	–
2 / 2	0.3 m pigtail	M12 rotatable	4	MK5908	–
1 / 2	0.3 m pigtail	M12 rotatable	3	–	MK5803
1 / 2	6 m cable	–	3	–	MK5804
2 / 2	6 m cable	–	4	MK5909	–

Versatile cylinder monitoring

This IO-Link sensor with two configurable hardware outputs will upgrade your machine in no time. The outputs can be configured to your application requirements. A high-resolution process value with a detection range of 50 mm enables continuous monitoring as well as digital transmission via IO-Link. Thanks to the teach function and the Bluetooth adapter, the installed sensor can be easily adjusted from outside the machine.

Integrated diagnostic functions

Combined functions, such as the stroke counter (switching cycle counter), time monitoring between both end positions or device temperature provide servicing assistance and enable maintenance to be carried out as required.



One sensor instead of two: On short-stroke cylinders, one IO-Link cylinder sensor (upper groove) is now sufficient to detect both end positions instead of two conventional sensors (lower groove) as was previously the case.

Common technical data

Operating principle		3D Hall
Electrical design		PNP / NPN (selectable)
Output function		NO / NC (selectable)
Output functions		Switch point / counter / diagnostic (selectable)
Switching frequency	[Hz]	200
Setting range	[mm]	typ. 50
Linearity	[%]	< 5
Resolution	[mm]	typ. 0.01
Repeatability	[mm]	< 0.2
Protection rating		IP67

BEST FRIENDS

We reserve the right to make technical alterations without prior notice. · 11.2024
ifm electronic gmbh · Friedrichstr. 1 · 45128 Essen



moneo|configure free
Software for parameter setting of the IO-Link infrastructure



moneo|blue
Manage IO-Link devices conveniently via smartphone app



IO-Link interface
For setting the parameters of IO-Link devices on the PC



For further technical details, please visit:
ifm.com/fs/MK5800