

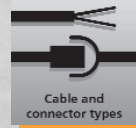


Short or flush C-slot cylinder sensors.



A real alternative to the Reed switch.

- Self-locking fixing for easy adjustment and quick mounting.
- Convenient: Can be easily inserted into the C-slot from above.
- Unit versions available with connection cable and M8 cable plug.
- Moulded cable ensuring very good strain relief.
- Suitable for the most common C-slots.



Cable and connector types

Easy-to-use

IP 67

Vibration and shock resistant

Flush or short

The cylinder sensor is suited for small parallel grippers and short-stroke cylinders with C-slot. Due to the height of only 5 mm it can be flush-mounted in the most common C-slots from above and is largely protected against damage. A 17.5 mm short version is available for miniature grippers.

The sensor is inserted into the slot where it is held in position by a clamping mechanism. The moulded cable at the end of the cylinder sensor provides excellent strain relief.

Long life

Non-contact sensors virtually work without wear and often achieve a longer life than Reed switches. This saves expensive repair and downtimes.



The online configurator for the ifm cylinder sensors:
www.ifm-electronic.com/cylindersensor

fluid sensors and diagnostic systems

position sensors and object recognition

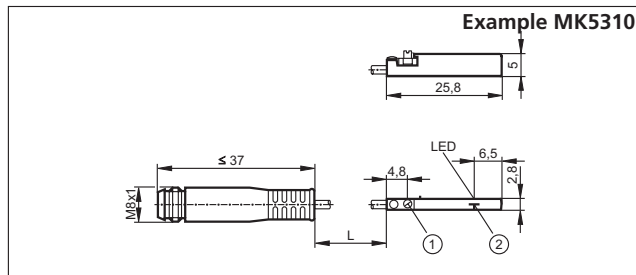
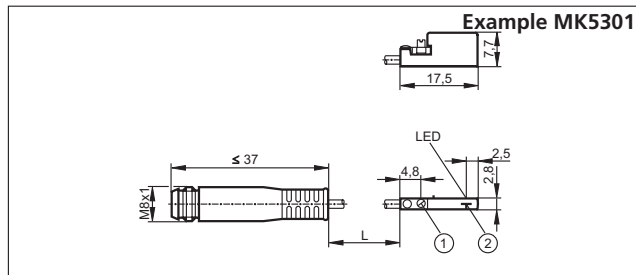
bus, identification and control systems



Applications:
For use in factory automation.

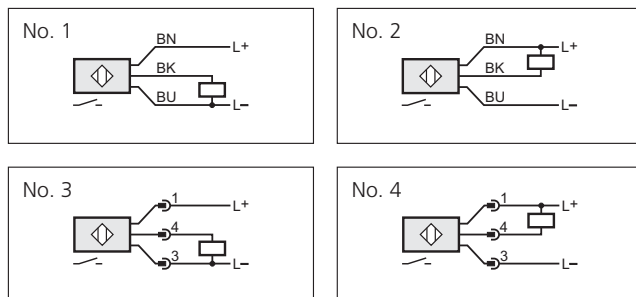
Housing / Dimensions [mm]	Electrical design / wiring diagram	f [Hz]	Protection	Operating temperature [°C]	Housing material	I _{load} [mA]	Order no.
Connection cable 2 m · output function · 3-wire DC							
17.5 x 7.8	PNP / 1	10000	IP 67	-25...80	PA	100	MK5300
17.5 x 7.8	NPN / 2	10000	IP 67	-25...80	PA	100	MK5306
24 x 5	PNP / 1	10000	IP 67	-25...80	PA	100	MK5312
Connection cable with M8 connector · output function · 3-wire DC							
17.5 x 7.8	PNP / 3	10000	IP 67	-25...80	PA	100	MK5301
17.5 x 7.8	NPN / 4	10000	IP 67	-25...80	PA	100	MK5307
24 x 5	PNP / 3	10000	IP 67	-25...80	PA	100	MK5310
Connection cable with M8 connector rotatable · output function · 3-wire DC							
17.5 x 7.8	PNP / 3	10000	IP 67	-25...80	PA	100	MK5302
24 x 5	PNP / 3	10000	IP 67	-25...80	PA	100	MK5311
Connection cable with M12 connector rotatable · output function · 3-wire DC							
17.5 x 7.8	PNP / 3	10000	IP 67	-25...80	PA	100	MK5304
24 x 5	PNP / 3	10000	IP 67	-25...80	PA	100	MK5314

Dimensions



- 1) Fastening clamp
- 2) Sensing face

Connection of the units



Common technical data

Operating voltage [V]	10...30 DC
Short-circuit protection, pulsed	•
Reverse polarity / overload protection	• / •
LED display	yellow
Repeatability [mm]	< 0.2
Hysteresis [mm]	< 1.5
Travel speed [m/s]	max. 10

Connectors and splitter boxes

Design	Description	Order no.
	Socket, M8, 2 m black, PUR cable	E11486
	Socket, M8, 5 m black, PUR cable	E11487
	M8 splitter box, 8 locations, 5 m PUR cable, LED	E11214

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