



Capacitive sensors ready for use simply by pressing a pushbutton.



The sensor is parameterised and ready for use simply by pressing a pushbutton.

- Normally open / normally closed can be set by pressing a pushbutton.
- Automatic detection of PNP or NPN output loads.
- Easy setting of the switch point using pushbuttons.
- Clearly visible indication of the switching status by 4-port LED.
- Robust stainless steel housing for a higher tightening torque.

High-grade stainless steel

NO/NC programmable

IP 65
IP 67

M12 connector

Application

Capacitive sensors detect metallic and non-metallic materials in different applications.

Set-up

The output function normally open or normally closed as well as the switch point are set via the two pushbuttons. The switch point is set by briefly pressing a pushbutton. An electronic lock can be activated to safeguard settings. The automatic detection of a PNP or NPN load, the variable setting of the switching function and the quick connection via connector facilitate the set-up and reduce the number of different versions.



fluid sensors and diagnostic systems

position sensors and object recognition

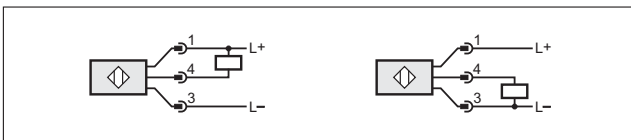
bus, identification and control systems

Applications:
Detection of metallic and non-metallic materials.






Sensing range [mm]	Setting range [mm]	Teach button	Switching frequency [Hz]	Protection rating / class	Output function	Output stage	Order no.
Type M30 · flush mountable · M12 connector							
8	2...12	•	10	IP 65, IP 67, III	programmable	PNP / NPN*	KI5084
8	2...12	•	10	IP 65, IP 67, III	programmable	PNP	KI5085
Type M30 · non-flush mountable · M12 connector							
15	3...26	•	10	IP 65, IP 67, III	programmable	PNP / NPN*	KI5086
15	3...26	•	10	IP 65, IP 67, III	programmable	PNP	KI5087

* automatic detection of the load

Wiring diagram







Accessories

Type	Description	Order no.
	Mounting adapter for type M30, G1 1/1", POM	E11033
	Mounting adapter for type M30, G1 1/1", PVDF	E11034
	Lock nut G1 1/2", POM, for mounting adapter E11033	E11031
	Lock nut G1 1/2", POM, for mounting adapter E11034	E11032
	Mounting clamp for type M30, PBT	E10077

Common technical data

Type KI		
Operating voltage	[V]	10...30 DC
Current rating	[mA]	100
Voltage drop	[V]	< 2.5
Switch point drift of Sr	[%]	± 20
Switching hysteresis of Sr	[%]	1...15
Short-circuit protection, pulsed		•
Reverse polarity / overload protection		• / •
Operating temperature	[°C]	-25...80
Material	sleeve sensing face pushbuttons connector	stainless steel (316S12) PBT TPE-U PEI
Switching status	LED	yellow
EMC		EN 60947-5-2

Connectors and splitter boxes

Type	Description	Order no.
	M12 socket, 2 m black, PUR cable	EVC001
	M12 socket, 5 m black, PUR cable	EVC002
	M12 socket, 2 m black, PUR cable	EVC004
	M12 socket, 5 m black, PUR cable	EVC005

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Position sensors and object recognition