



Capacitive “see-through” sensors.

Position sensors and object recognition



Detection of conductive media through a wall.

- Easy adjustment in the application by pressing a pushbutton.
- Automatic detection of PNP or NPN output loads.
- Normally open / normally closed freely selectable.
- Clearly visible indication of the switching status.
- Increased noise immunity.



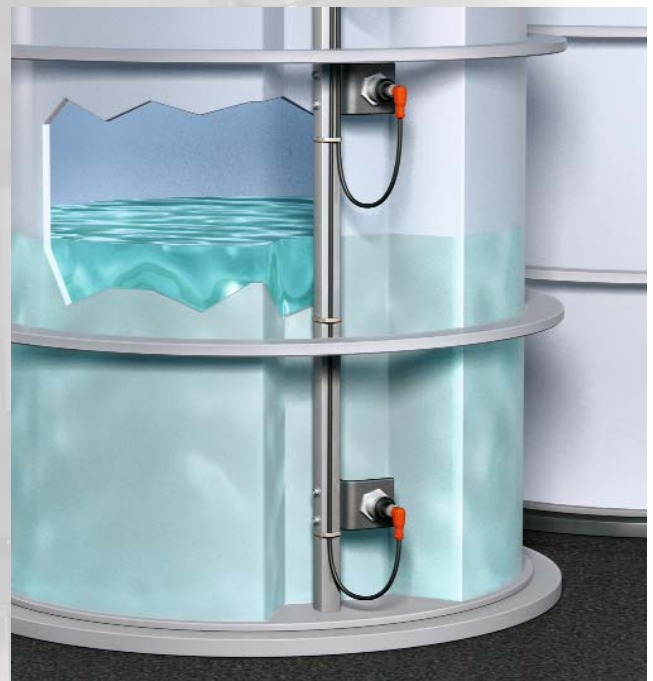
Application

The sensors have been optimised for the detection of conductive media through non-metal walls or on bypasses.

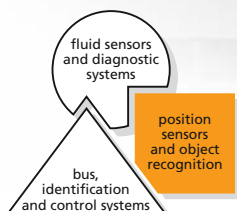
They are used to detect the minimum level, leakage or overflow of tanks.

Set-up

The new operating concept enables setting and adjustment of the output function by pressing just one pushbutton. The automatic load detection simplifies configuration and set-up with different evaluation systems.



Detection of 2 switch points on a plastic tank.

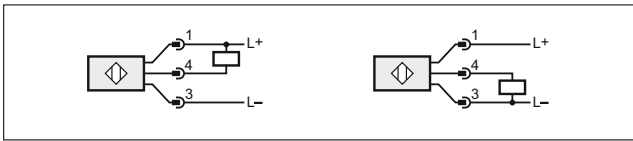


Applications:
Optimised for the detection of conductive media with a dielectric constant > 20





Nominal sensing range [mm]	Setting range [mm]	Teach button	Protection	Output function	Output stage	Cable length [m]	Order no.
8	2...14	•	IP 65, IP 67,II	programmable	PNP / NPN*	2	KG5067
8	2...14	•	IP 65, IP 67,II	programmable	PNP	2	KG5069

* automatic detection of the load

Wiring diagram



Accessories

Type	Description	Order no.
	Mounting adapter for type M18, G 1, PVDF	E43905
	Mounting adapter for type M18, G 3/4, PVDF	E43901
	Lock nut G 1, PVDF, for mounting adapter E43905	E43907
	Lock nut G 3/4, PVDF, for mounting adapter E43901	E43903

Further technical data

Operating voltage	[V DC]	10...36
Current rating	[mA]	200
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 cable seal pushbuttons cable	PP reinforced glass-fibre TPE-U TPE-U PVC
Switching status	LED	yellow
EMC		EN 60947-5-2

ifm article no. 7511276 · Printed in Germany on non-chlorine paper. · We reserve the right to make technical alterations without prior notice. · 04.2008

Position sensors and object recognition