



# Full metal ensures maximum safety

Fail-safe inductive sensors for the food industry

- Robust full-metal housing with high protection rating
- Wide temperature range of -25...100°C
- Shock and vibration resistant
- TÜV-tested safety
- Safe state if target is absent



PL/SIL

IP69K

**ifm** – close to you!

Type	Housing length [mm]	Enable zone [mm]	Safe switch-off distance [mm]	Order no.
4-wire · M12 connector				
M12	60	0...1.5	>6	<b>GF762S</b>
M18	60	0...3.5	>10.5	<b>GG762S</b>
M30	65	0...6	>18	<b>GI762S</b>

### Safety in full metal

To date, ifm is the only supplier to market fail-safe inductive sensors in a robust full-metal housing in order to ensure maximum safety even under extreme conditions. The full-metal housing offers optimum protection against permanent moisture. Thanks to the extended temperature range of -25 to 100 °C, the sensors are ideally suited for applications in the food and beverage industry.

### Applications

Typical applications for fail-safe sensors can be found on service lids or manholes on tanks or silos, where they ensure that processes cannot start until the lids are closed to eliminate any risk to individuals and machinery. The full-metal housing shows all its benefits on valves or valve manifolds that are subject to frequent cleaning processes, as it can easily withstand permanent moisture or wetness. These fail-safe sensors are also ideal for monitoring high-speed doors in cold stores.

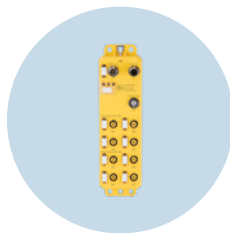
Common technical data		
Operating voltage	[V DC]	10...30
Housing materials		Sensing face: stainless steel Housing: stainless steel
Output function		2x OSSD
Safety-related sub-function		Target is absent
Ambient temperature	[°C]	-25...100
Safety classification		ISO 13849-1: Category 2, PL d IEC 61508: SIL 2, HFT=0, SC 2
Protection rating		IP65, IP66, IP67, IP68, IP69K

## BEST FRIENDS

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



**Safety relay**  
With potential-free relay contacts



**PROFIsafe IO-Link module**  
For PROFIsafe telegrams via IO-Link



**Fail-safe inductive sensors**  
No special actuator required



For further technical details, please visit:  
[ifm.com/fs/GF72S](http://ifm.com/fs/GF72S)