



Position sensors

# Full-metal sensors for use in the smallest of spaces



Inductive sensors



**High-quality stainless steel housing**

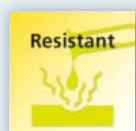
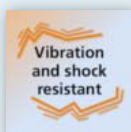
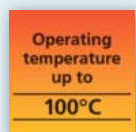
**Compact dimensions for use in the smallest of spaces**

**Large temperature range up to 100 °C**

**Easy connection via M12 connector**

**Thread area can be entirely used**

**IP 65 to IP 69K for greater reliability**



## Full-metal sensors

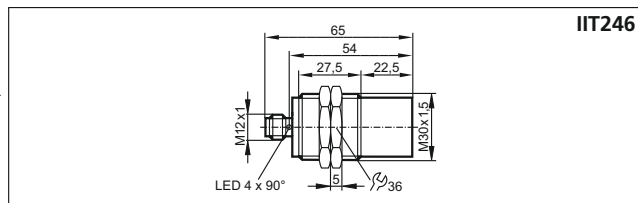
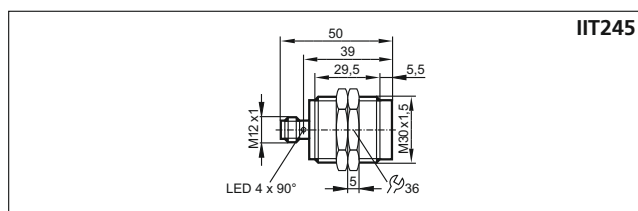
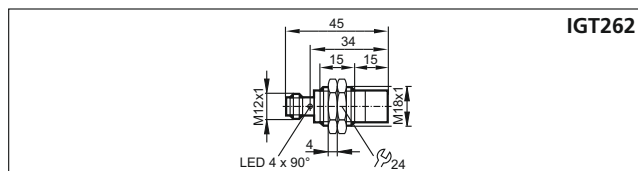
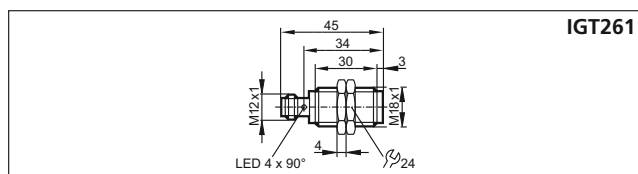
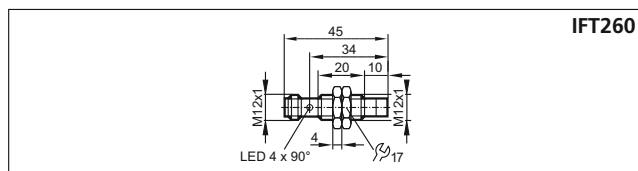
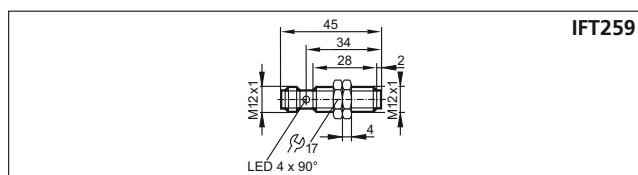
Wherever sensors have to cope with harsh operating conditions, full-metal sensors are the right choice. Even temperatures up to 100 °C do not affect reliable end position detection. The high-quality stainless steel housing in combination with the ecolink connector allows for permanent use even when in contact with cleaning agents and humidity. Increased sensing ranges guarantee reliable detection and provide sufficient excess gain.

The compact dimensions and the possibility to mount sensors of the same type directly next to each other allow for permanent and reliable end position detection even in the smallest of spaces.

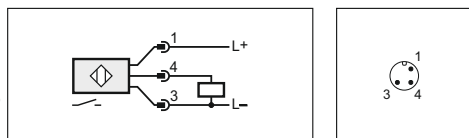


Type	Total length [mm]	Sensing range [mm]	f [Hz]	Protection rating	Ambient temperature [°C]	Order no.
<b>M12 connector · output function NO</b>						
M12 x 1	45	5 qf	250	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IFT259</b>
M12 x 1	45	6 nf	250	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IFT260</b>
M18 x 1	45	10 qf	200	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IGT261</b>
M18 x 1	45	12 nf	200	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IGT262</b>
M30 x 1.5	50	18 qf	100	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IIT245</b>
M30 x 1.5	65	25 nf	100	IP 65, IP 66, IP 67, IP 68, IP 69K	0...100	<b>IIT246</b>

## Dimensions



## Wiring diagram



## Further technical data

Operating voltage	[V DC]	10...30
Current rating	[mA]	100
Reverse polarity protection		•
Short-circuit protection		•
Protection class		III
Housing material		high-grade stainless steel (316L)
Switching status indication	[LED]	yellow (4 x 90°)

## Accessories

Type	Description	Order no.
	Angle bracket for M12 design, stainless steel	<b>E10735</b>
	Angle bracket for M18 design, stainless steel	<b>E10736</b>
	Angle bracket for M30 design, stainless steel	<b>E10737</b>

## Connection technology

Type	Description	Order no.
	Socket, M12, 4 poles 5 m, grey, MPPE cable	<b>EVF001</b>
	Socket, M12, 4 poles 2 m, grey, MPPE cable	<b>EVF064</b>
	Socket, M12, 4 poles 5 m, grey, MPPE cable	<b>EVF004</b>
	Socket, M12, 4 poles 2 m, grey, MPPE cable	<b>EVF067</b>