



Position sensors and object recognition

Full metal inductive sensors: Simply unbeatable!



Extremely resistant, excellent price / performance ratio.

- Ideal for metalworking applications.
- Devices and connectors: adapted for use in oils.
- Strong sensing face is resistant to impacts.
- Vibration and shock resistant.
- Lasered type label: permanently legible.

High-grade stainless steel

Resistant to oils and coolants

IP 67
IP 68

Vibration and shock resistant

Materials

The body and the sensing face of the one-piece housing are made of stainless steel.

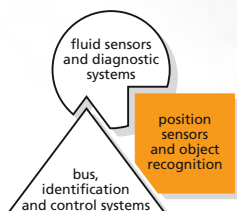
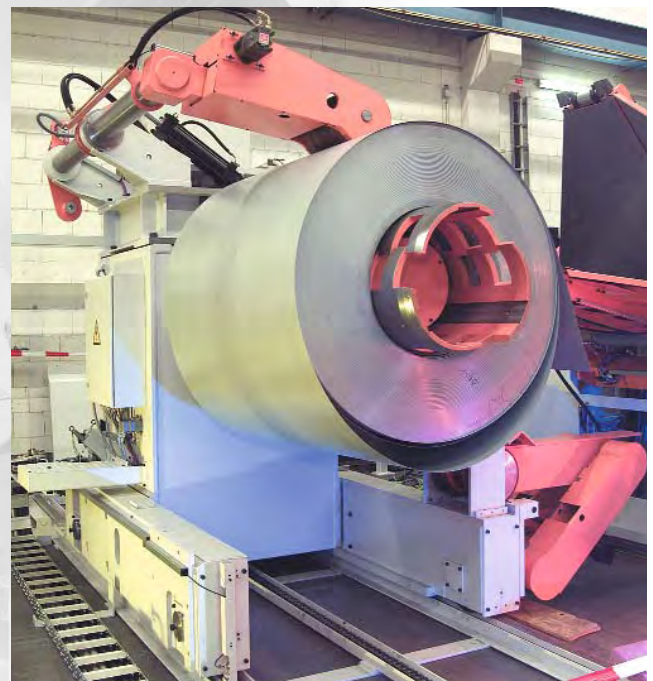
Oils and coolants

Oils and coolants heavily impact the installed machine components. The O-ring seal made of Viton combined with the corresponding ecolink connector ensures high protection against malfunctions.


Application tests

A series of tests qualified the sensors for use in harsh environments:

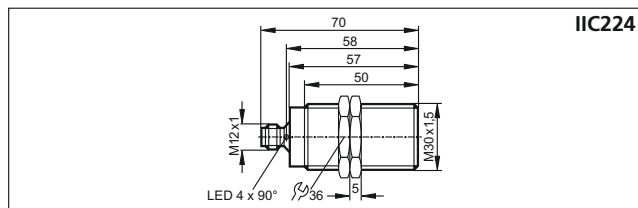
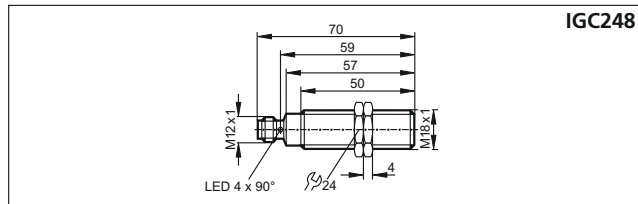
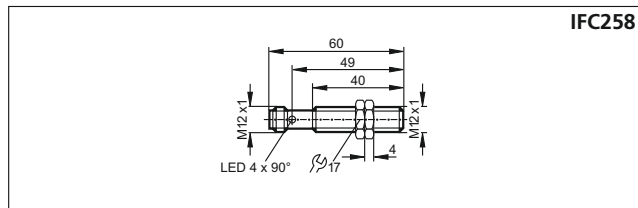
- Vibration test
- Shock test
- Impact test
- Coolant test



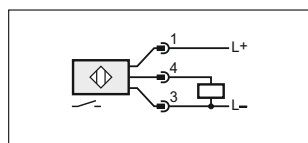
Applications:
Machine tools in combination with oils and coolants.

Type	Dimensions Length [mm]	Sensing range [mm]	f [Hz]	Operating temperature [°C]	Housing material	I _{load} [mA]	Order no.
M12 connector · output function  · 3-wire DC PNP							
M12	L = 60	3 f	100	-25...70	high-grade stainless steel	100	IFC258
M18	L = 70	5 f	100	-25...70	high-grade stainless steel	100	IGC248
M30	L = 70	10 f	50	-25...70	high-grade stainless steel	100	IIC224





Dimensions



Wiring diagram




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

Common technical data

Type IFC, IGC, IIC		
Operating voltage	[V DC]	10...36
Current consumption	[mA]	< 20
Short-circuit protection, pulsed		•
Reverse polarity / overload protection		• / •
Voltage drop	[V]	< 2.5
Protection		IP 67, IP 68 / III
Function display		
Switching status	LED	yellow (4 x 90°)

Accessories

Type	Description	Order no.
	Angle bracket for type M12, stainless steel	E10735
	Angle bracket for type M18, stainless steel	E10736
	Angle bracket for type M30, stainless steel	E10737
	Mounting clip for type M12, stainless steel	E11533
	Mounting clip for type M18, stainless steel	E11534
	Mounting clamp M12, PC	E11047
	Mounting clamp M18, PC	E11048
	Mounting clamp M30, PC	E11049

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