



Positions sensors

Electromagnetic field immune Kplus sensors for welding applications



Inductive Sensors



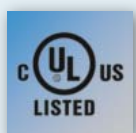
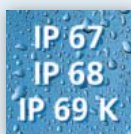
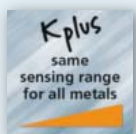
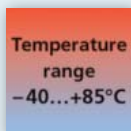
Uniform sensing range for the reliable detection of all metals

Robust design with non-stick coating

Electromagnetic field immune sensor technology to prevent incorrect switching

Wide temperature range for universal use

High protection ratings up to IP 68 / IP 69K



Use in harsh welding applications

The inductive Kplus sensors withstand harsh operating conditions and reliably detect metal objects even in case of soiling.

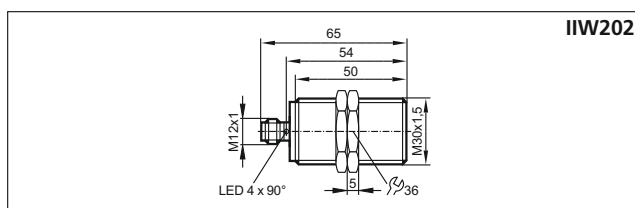
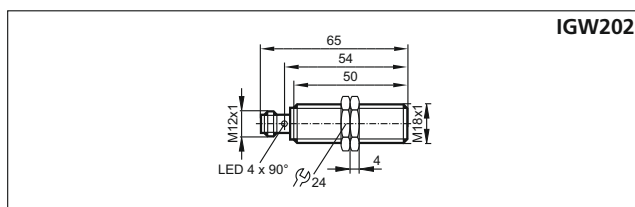
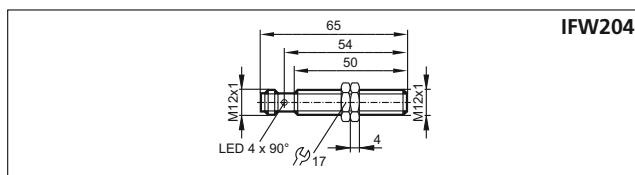
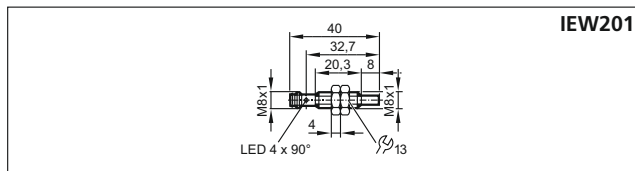
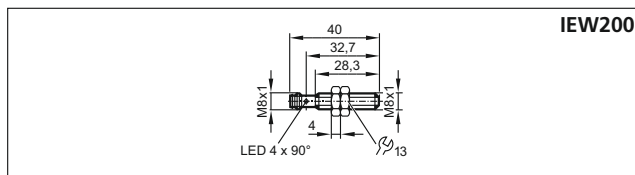
The sensor housing and the fixing nuts have a non-stick coating to prevent sticking of weld slag. Strong magnetic fields occur in welding processes. The new sensor technology prevents incorrect switching.

The quick connection with the connector and matching cable from the ecolink range is the ideal basis for permanent use.



Type	Total length [mm]	Sensing range [mm]	Installation	Switching frequency [Hz]	Current load [mA]	Order no.
M8 connector · 3 wire DC PNP · Output function normally open · stainless steel (316L) anti-spatter						
M8	40	3	flush	2000	100	IEW200
M8	40	6	non flush	2000	100	IEW201
M12 connector · 3 wire DC PNP · Output function normally open · brass anti-spatter						
M12	65	4	flush	2000	100	IFW204
M18	65	8	flush	2000	100	IGW202
M30	65	15	flush	2000	100	IIW202







Dimensions







Further technical data

Operating voltage	[V DC]	10...30
Current consumption	[mA]	< 20
Reverse polarity protection		•
Short-circuit protection		•
Overload protection		•
Protection		IP 65 / IP 66 / IP 67 / IP 68 / IP 69K
Protection class		II
Ambient temperature	[°C]	-40...85
Housing materials sensing face		LCP
Switching status indication	[LED]	yellow (4 x 90°)

Accessories

Type	Description	Order no.
	M12 mounting sleeve with end stop, anti-spatter	E12452
	M18 mounting sleeve with end stop, anti-spatter	E12453
	M30 mounting sleeve with end stop, anti-spatter	E12454
	M12 washers, anti-spatter	E12412
	M18 washers, anti-spatter	E12413
	M30 washers, anti-spatter	E12414

Connection technology

Type	Description	Order no.
	Socket, M12, 2 m grey, PUR cable	EVW001
	Socket, M12, 5 m grey, PUR cable	EVW002
	Socket, M12, 2 m grey, PUR cable	EVW004
	Socket, M12, 5 m grey, PUR cable	EVW005