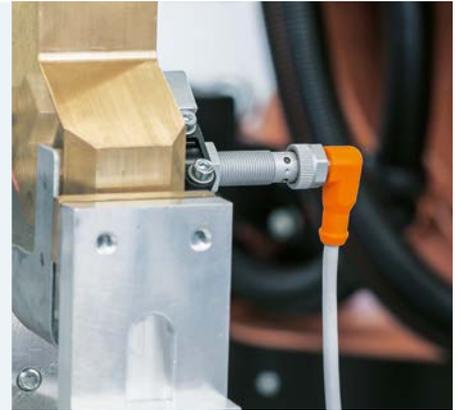




Position sensors

Electromagnetic field immune Kplus sensors for welding areas



Inductive sensors



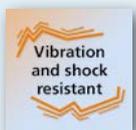
Uniform sensing range for the reliable detection of all metals

No sticking of weld slag thanks to non-stick coating

Electromagnetic field immune sensor technology to prevent incorrect switching

Wide temperature range for universal use

IP 65 to IP 69K for greater reliability



For use in harsh welding applications

The inductive Kplus sensors withstand the harsh operating conditions that are found in welding processes. The sensor housing and the fixing nuts have a non-stick coating to prevent sticking of weld slag. What is more, the new sensor technology is robust against the strong magnetic fields that occur during welding and therefore reliably prevents incorrect switching.

The quick connection with the standard M12 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 rating [mA]	Order no.
3-wire · M12 connector						
M8 x 1	50	3	flush	2000	100	IEW205
M8 x 1	50	6	non flush	2000	100	IEW206
M12 x 1	45	4	flush	2000	100	IFW210
M18 x 1	45	8	flush	2000	100	IGW205
M30 x 1.5	45	15	flush	2000	100	IIW204

Accessories

Type	Description	Order no.
	M8 mounting sleeve with end stop, non-stick	E12753
	M12 mounting sleeve with end stop, non-stick	E12452
	M18 mounting sleeve with end stop, non-stick	E12453
	M30 mounting sleeve with end stop, non-stick	E12454

Connection technology

	M12 socket, 2 m grey, PUR cable	EVW001
	M12 socket, 5 m grey, PUR cable	EVW002
	M12 socket, 2 m grey, PUR cable	EVW004
	M12 socket, 5 m grey, PUR cable	EVW005

Further technical data

Operating voltage [V]	10...30
Current consumption [mA]	< 10
Electromagnetic field immunity [mT]	300
Short-circuit protection	yes
Reverse polarity protection	yes
Protection rating	IP 65, IP 66, IP 67, IP 68, IP 69K
Protection class	II
Ambient temperature [°C]	-40...85
Housing material	sensing face: black LCP housing: brass, non-stick LED window: PEI
Switching status indication	4 x LED yellow

Dimensions

