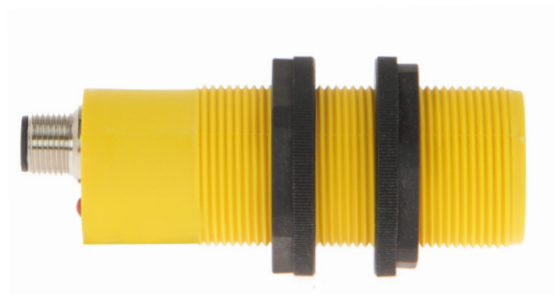
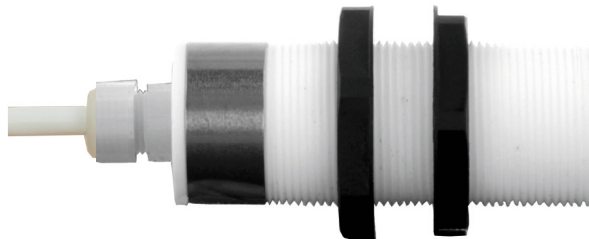
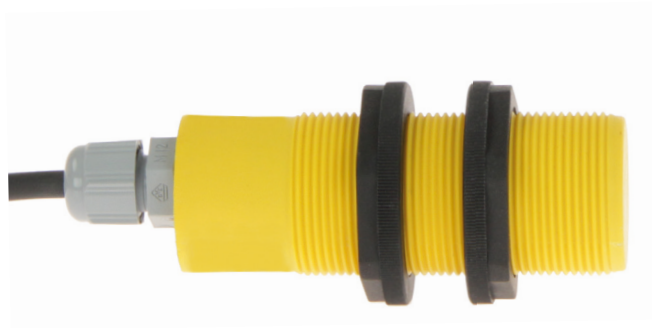


Inductive Sensor with threaded plastic housing



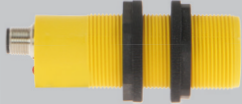
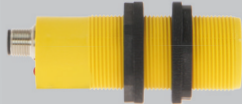
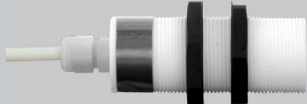
Sensors in plastic housing

corrosion-free - chemical resistant - temperature resistant - PBT / PTFE

Temperature			Wire							
	Housing				M30		M30		M30	
	Material				PBT		PBT		PBT	
	Protection class				IP 67		IP 67		IP 67	
	Connection				cable		plug (M12)		cable	
	Switching distance				10 mm		10 mm		15 mm	
	Mounting				flush		flush		non flush	
-25 - + 80 °C										
	20-260 V AC/DC normally closed	2	IKL 010.04 G		IKL 010.04 G S27		IKL 015.04 G			
	20-260 V AC/DC normally open	2	IKL 010.05 G		IKL 010.05 G S27		IKL 015.05 G			
	10-55 V DC NPN normally closed	3	IKL 010.30 G		IKL 010.30 G S4		IKL 015.30 G			
	10-55 V DC NPN normally open	3	IKL 010.31 G		IKL 010.31 G S4		IKL 015.31 G			
	10-55 V DC PNP normally closed	3	IKL 010.32 G		IKL 010.32 G S4		IKL 015.32 G			
	10-55 V DC PNP normally open	3	IKL 010.33 G		IKL 010.33 G S4		IKL 015.33 G			
	10-55 V DC antivalent	4	IKL 010.38 G		IKL 010.38 G S4		IKL 015.38 G			
	Cable lengths		2, 5, 10, 15, 20 m				2, 5, 10, 15, 20 m			
	Cable versions		PVC, PUR, PTFE, Silicone				PVC, PUR, PTFE, Silicone			
-25 - + 100 °C										
	20-260 V AC/DC normally closed	2	IKL 010.04 GH		IKL 010.04 GH S27		IKL 015.04 GH			
	20-260 V AC/DC normally open	2	IKL 010.05 GH		IKL 010.05 GH S27		IKL 015.05 GH			
	10-55 V DC NPN normally closed	3	IKL 010.30 GH		IKL 010.30 GH S4		IKL 015.30 GH			
	10-55 V DC NPN normally open	3	IKL 010.31 GH		IKL 010.31 GH S4		IKL 015.31 GH			
	10-55 V DC PNP normally closed	3	IKL 010.32 GH		IKL 010.32 GH S4		IKL 015.32 GH			
	10-55 V DC PNP normally open	3	IKL 010.33 GH		IKL 010.33 GH S4		IKL 015.33 GH			
	10-55 V DC antivalent	4	IKL 010.38 GH		IKL 010.38 GH S4		IKL 015.38 GH			
	Cable lengths		2, 5, 10, 15, 20 m				2, 5, 10, 15, 20 m			
	Cable versions		Silicone, PTFE				Silicone, PTFE			
120 °C										
	20-260 V AC/DC normally closed	2	IKL 010.04 GH 1				IKL 015.04 GH 1			
	20-260 V AC/DC normally open	2	IKL 010.05 GH 1				IKL 015.05 GH 1			
	10-55 V DC NPN normally closed	3	IKL 010.30 GH 1				IKL 015.30 GH 1			
	10-55 V DC NPN normally open	3	IKL 010.31 GH 1				IKL 015.31 GH 1			
	10-55 V DC PNP normally closed	3	IKL 010.32 GH 1				IKL 015.32 GH 1			
	10-55 V DC PNP normally open	3	IKL 010.33 GH 1				IKL 015.33 GH 1			
	10-55 V DC antivalent	4	IKL 010.38 GH 1				IKL 015.38 GH 1			
	Cable lengths		2, 5, 10, 15, 20 m				2, 5, 10, 15, 20 m			
	Cable versions		Silicone, PTFE				Silicone, PTFE			

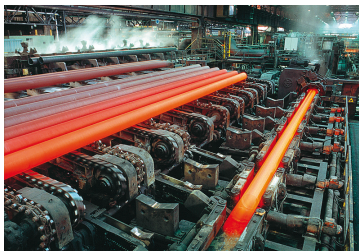
For temperatures above 120 °C, please view our brochure „inductive sensors high temperatures“

Inductive sensors IKL plastic housing

				
	M30	M30	M30	M32
	PBT	PBT	PBT	PTFE
	IP 67	IP 67	IP 67	IP 68
	plug (M12)	cable	plug (M12)	cable
	15 mm	25 mm	25 mm	14 mm
	non flush	non flush	non flush	non flush
	IKL 015.04 G S27	IKL 025.04 G	IKL 025.04 G S27	IKLT 014.04 G
	IKL 015.05 G S27	IKL 025.05 G	IKL 025.05 G S27	IKLT 014.05 G
	IKL 015.30 G S4	IKL 025.30 G	IKL 025.30 G S4	IKLT 014.30 G
	IKL 015.31 G S4	IKL 025.31 G	IKL 025.31 G S4	IKLT 014.31 G
	IKL 015.32 G S4	IKL 025.32 G	IKL 025.32 G S4	IKLT 014.32 G
	IKL 015.33 G S4	IKL 025.33 G	IKL 025.33 G S4	IKLT 014.33 G
	IKL 015.38 G S4	IKL 025.38 G	IKL 025.38 G S4	IKLT 014.38 G
		2, 5, 10, 15, 20 m		2, 5, 10, 15, 20 m
		PVC, PUR, PTFE, Silicone		PVC, PUR, PTFE, Silicone
	IKL 015.04 GH S27	IKL 025.04 GH	IKL 025.04 GH S27	IKLT 014.04 GH
	IKL 015.05 GH S27	IKL 025.05 GH	IKL 025.05 GH S27	IKLT 014.05 GH
	IKL 015.30 GH S4	IKL 025.30 GH	IKL 025.30 GH S4	IKLT 014.30 GH
	IKL 015.31 GH S4	IKL 025.31 GH	IKL 025.31 GH S4	IKLT 014.31 GH
	IKL 015.32 GH S4	IKL 025.32 GH	IKL 025.32 GH S4	IKLT 014.32 GH
	IKL 015.33 GH S4	IKL 025.33 GH	IKL 025.33 GH S4	IKLT 014.33 GH
	IKL 015.38 GH S4	IKL 025.38 GH	IKL 025.38 GH S4	IKLT 014.38 GH
		2, 5, 10, 15, 20 m		2, 5, 10, 15, 20 m
		Silicone, PTFE		Silicone, PTFE
				IKLT 014.04 GH 1
				IKLT 014.05 GH 1
				IKLT 014.30 GH 1
				IKLT 014.31 GH 1
				IKLT 014.32 GH 1
				IKLT 014.33 GH 1
				IKLT 014.38 GH 1
				2, 5, 10, 15, 20 m
				Silicone, PTFE

Inductive sensors
in threaded plastic housing

Sensors in plastic housings are used in a variety of applications and often in places one would expect stainless steel housings. However, Proxitron plastic housings consist of full potting and therefore are reliable even at quick changing temperatures and in an aggressive ambient. Various combination possibilities with several cables, different in condition and lengths, are available.



Type Code



Type	e. g. IKL 010						
20 - 260 V AC/DC	0						
10 - 55 V DC	3						
NPN - normally closed	0						
NPN - normally open	1						
PNP - normally closed	2						
PNP - normally open	3						
2-wire normally closed AC/DC	4						
2-wire normally open AC/DC	5						
PNP normally open + PNP normally closed antivalent	8						
Internal thread M16 at cable output (e.g. for protective hose connection)	C						
Fixed protective hose gland 3/8" or 5/16"	M						
Short circuit protection	G						
High temperature version up to +100 °C	H						
High temperature version up to +120 °C	H1						
Low temperature version from -40 °C	N						
Version with fixed connection cable*							
Plug M12x1 DC	S4						
Plug M12x1 AC	S27						
Customer specific version	SA						

* Besides the standard lengths 2, 5, 10, 15 and 20 m, further lengths and cable materials are available.

The following connection cables are available:

Cable material	Temperature	Features
PVC	-25 °C up to +80 °C	cold, heat and seawater resistant
PUR	-30 ° up to 70 °C	notch-resistant, high impact resistance, flexible, abrasion-resistant, resistant to mineral oils, UV- and ozone as well as solvent- and seawater resistant
Silicone	-50 °C up to +180 °C	halogenfree, flame-retardant, resistant to several oils, alcohols, lubricants and other chemical media, great flexibility
PTFE	-190 °C up to 260 °C	excellent resistance to acids, varnishes, oils, hydraulic fluids etc., hardly inflammable, low water absorption, weather and ozone resistant.