



The inductive M8 sensors with correction factor 1.



Constant sensing range on all metals.

- Resistant to oils and coolants.
- Robust high-grade stainless steel housing for harsh environments.
- Permanently legible laser type label.
- Optimum switching status indication using a 4-port LED.

K=1
same
sensing range
for all metals

Resistant
to oils
and
coolants

IP 67

High-
grade
stainless
steel

Correction factor 1

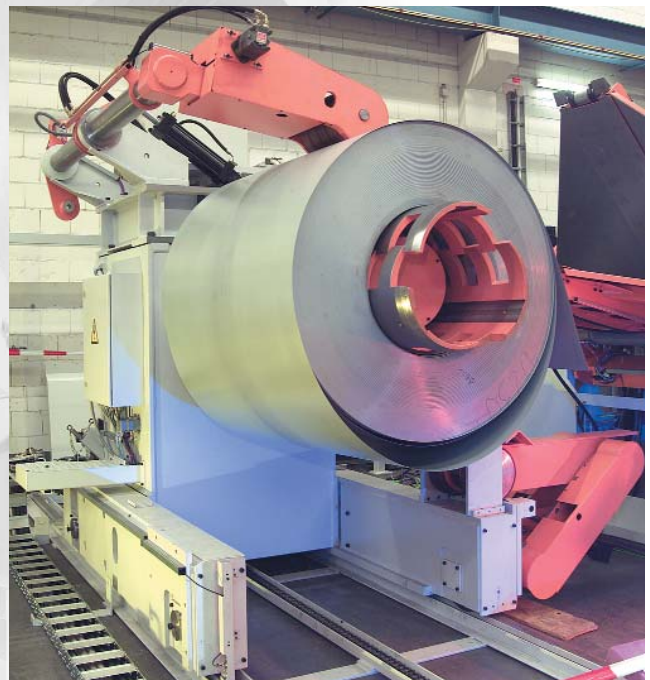
The sensors with the correction factor 1 have a constant sensing range on all metals such as steel, brass, aluminium or stainless steel. This eliminates the need for the inconvenient adjustment of the sensing range to different metal objects.

Small design

The M8 design was added to the successful family of inductive sensors with a constant correction factor. This small design is the optimum choice where space is at a premium.

Applications

The robust stainless steel housing and oil resistance are ideal features for use in harsh environments.



fluid sensors
and diagnostic
systems

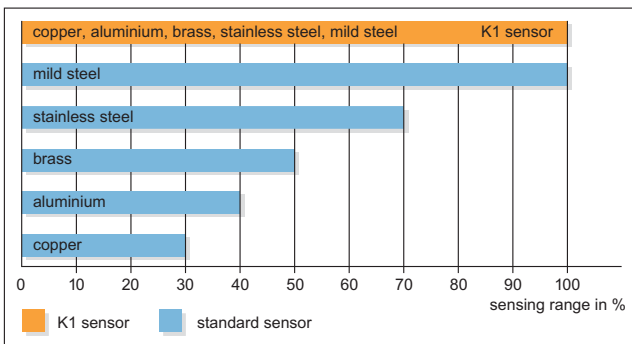
position
sensors
and object
recognition

bus,
identification
and control systems

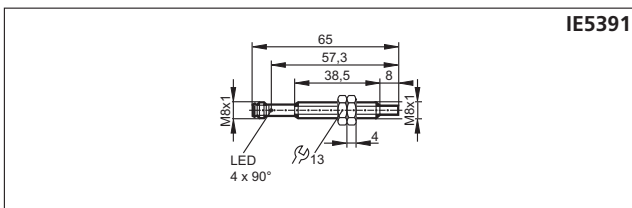
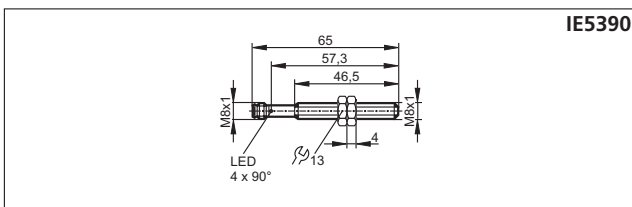
Applications:
Machine tools in combination with oils and coolants

Design / Type	Sensing range [mm]	f [Hz]	Protection	Operating temperature [°C]	Housing material	I _{load} [mA]	Order no.
M8 connector / output function NO / 3-wire DC PNP							
M8 / f	1.5	1000	IP 67, II	-25...70	high-grade stainless steel, LCP	200	IE5390
M8 / nf	4	1000	IP 67, II	-25...70	high-grade stainless steel, LCP	200	IE5391

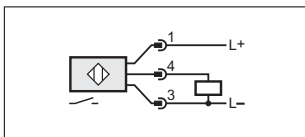
Comparison between the sensing ranges of standard sensors and K1 sensors



Dimensions






Wiring



Common technical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 20
Short-circuit protection, pulsed	•
Rev. polarity / overload protection	• / •
Voltage drop [V]	< 2.5
Switching status LED	yellow (4 x 90°)

Connectors and splitter boxes

Type	Description	Order no.
	Socket, M8, 2 m black, PUR cable	E11486
	Socket, M8, 2 m black, PUR cable	E11489
	Socket, M8, 2 m black, PUR cable, LED	E11492

Accessories

Type	Description	Order no.
	Mounting clamp for type M8, aluminium	E10221
	Angle bracket for type M8, stainless steel	E10734
	Mounting clamp with end stop for type M8, plastic	E11521
	M12 mounting clamp with end stop for type M8, brass	E10849

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