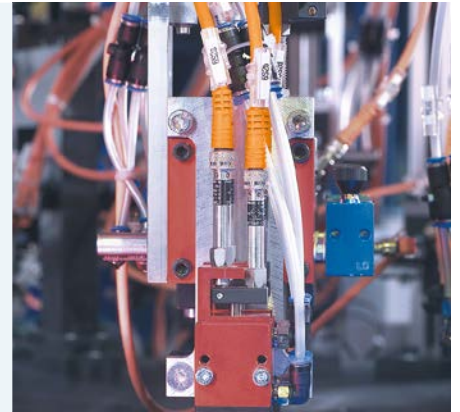




Position sensors

Inductive M8 sensor for limited space



Inductive sensors



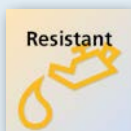
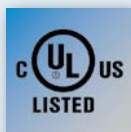
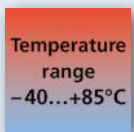
Reliable detection due to increased sensing ranges

Wide temperature range for universal application areas

High reliability thanks to protection rating IP 65 to IP 69K

Quick, correct connection via M12 connector

Robust version with stainless steel housing



Light, small and powerful

The extremely compact housing has its strength wherever there is restricted space for sensors or where the additional mass is to be kept low: In factory automation, on machine tools or on fast moving robot arms the miniature sensor scores with a sensing range that is almost as long as that of larger designs.

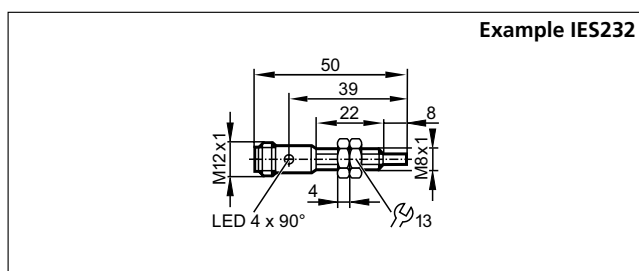
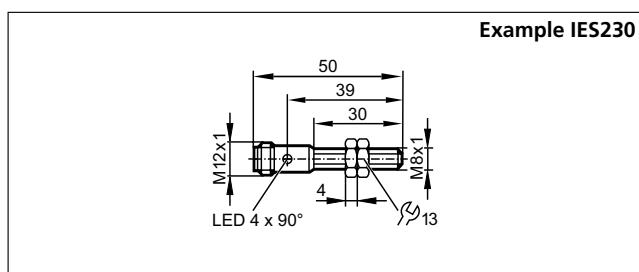
Ready for every application

The high-grade stainless steel housing makes the sensor extremely resistant, the temperature range from -40 to 85 °C and the protection rating IP 65 to IP 69K open up almost unlimited application possibilities. The LED switching status indication is easy to read even in places where access is difficult, the standard M12 connector allows a quick and correct connection.



Type	Total length [mm]	Sensing range [mm]	Installation [mm]	Electrical design	Switching output	Order no.
3-wire · M12 connector						
M8 x 1	50	3	flush	PNP	NO	IES230
M8 x 1	50	3	flush	PNP	NC	IES231
M8 x 1	50	6	non flush	PNP	NO	IES232
M8 x 1	50	6	non flush	PNP	NC	IES233
M8 x 1	50	3	flush	NPN	NO	IES234
M8 x 1	50	3	flush	NPN	NC	IES235
M8 x 1	50	6	non flush	NPN	NO	IES236
M8 x 1	50	6	non flush	NPN	NC	IES237

Dimensions



Further technical data

Operating voltage [V]	10...30
Current consumption [mA]	< 10
Short-circuit protection	yes
Reverse polarity protection	yes
Protection rating	IP 65, IP 66, IP 67, IP 68, IP 69K
Protection class	III
Ambient temperature [°C]	-40...85
Housing material	sensing face: LCP natural, housing: stainless steel, LED window: PEI
Switching status indication	4 x LED yellow

Accessories

Type	Description	Order no.
	Angle bracket M8	E10734
	Mounting clamp	E11521

Connection technology

	M12 socket, straight, 4-pole, 2 m black, PUR cable	EVC001
	M12 socket, straight, 4-pole, 5 m black, PUR cable	EVC002
	M12 socket, angled, 4-pole, 2 m black, PUR cable	EVC004
	M12 socket, angled, 4-pole, 5 m black, PUR cable	EVC005