



IMG

ROBUST. RELIABLE. ECONOMICAL.

Inductive proximity sensors

SICK
Sensor Intelligence.

INDUCTIVE STANDARD SENSORS FOR ECONOMICAL USE IN OUTDOOR APPLICATIONS

IMG is the ideal inductive proximity sensor family for use in harsh environments and outdoor applications. The robust mechanical design makes IMG sensors impervious to shocks, vibration, oil, cooling lubricants and weather effects such as rain, snow, mud, and frost. SICK's ASIC technology ensures precise switching points with a high level of repeatability to safeguard reliable processes in environments where many inductive sensors fail to perform. IMG combines robustness and stable detection at a viable economic level.



At a glance

- Threaded housing sizes: M12, M18, M30
- Large sensing range up to 20 mm
- Electrical configuration: DC 3-wire
- Connection types: M12 connector or PUR cable 2 m
- Enclosure rating: IP67, IP68, IP69K
- Ambient temperature: -40 °C ... +85 °C
- Nickel-plated brass housing and nuts, LCP sensing face
- Resistant to oil and cooling lubricants; suitable for use outdoors



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INDUCTIVE STANDARD SENSORS FOR ECONOMICAL USE IN OUTDOOR APPLICATIONS

Selection of bestsellers

Size	Sensing range	Mounting	Switching output	Connection	Type	Part number
M12	4 mm	flush	PNP, N/O	Connector M12, 4-pin	IMG12-04BPSZC0S	1094334
				Cable, 2 m, PUR	IMG12-04BPSZU2S	1108130
			NPN, N/O	Cable, 2 m, PUR	IMG12-04BNSZU2S	1135523
	8 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IMG12-08NPSZC0S	1135516
				Cable, 2 m, PUR	IMG12-08NPSZU2S	1135517
			NPN, N/O	Cable, 2 m, PUR	IMG12-08NNSZU2S	1135585
M18	8 mm	flush	PNP, N/O	Connector M12, 4-pin	IMG18-08BPSZC0S	1135566
				Cable, 2 m, PUR	IMG18-08BPSZU2S	1135567
			NPN, N/O	Cable, 2 m, PUR	IMG18-08BNSZU2S	1135523
	12 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IMG18-12NPSZC0S	1135572
				Cable, 2 m, PUR	IMG18-12NPSZU2S	1135573
			NPN, N/O	Cable, 2 m, PUR	IMG18-12NNSZU2S	1135585
M30	15 mm	flush	PNP, N/O	Connector M12, 4-pin	IMG30-15BPSZC0S	1135615
	20 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IMG30-20NPSZC0S	1135621

Customization

IMG offers a complete inductive proximity sensor portfolio to meet all standard requirements and connectivity needs. Are you still looking for the right sensor? SICK plans and implements tailor-made sensor systems to help you achieve a competitive advantage.



No matter your application, SICK has the perfect sensor to meet your requirements. From standard cylindrical or cuboid sensors with single, double, or triple operating distances to specialized sensors for hazardous environments or explosive atmospheres, SICK offers a comprehensive range of sensor solutions to keep your operations running smoothly.

Selection of main inductive proximity sensor families

IME – Inductive standard sensors for economical use in industrial environments



- Enclosure rating: IP67
- Ambient temperature: –25 °C ... +70 °C
- Nickel-plated brass housing



→ www.sick.com/IME

Size	Sensing range	Mounting	Switching output	Connection	Type	Part number
M8	2 mm	flush	PNP, N/O	Connector M8, 3-pin	IME08-02BPSZTOS	1040870
	4 mm	non-flush	PNP, N/O	Connector M8, 3-pin	IME08-04NPSZTOS	1040886
M12	4 mm	flush	PNP, N/O	Connector M12, 4-pin	IME12-04BPSZCOS	1040764
	8 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IME12-08NPSZCOS	1040780
M18	8 mm	flush	PNP, N/O	Connector M12, 4-pin	IME18-08BPSZCOS	1040966
	12 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IME18-12NPSZCOS	1040982
M30	15 mm	flush	PNP, N/O	Connector M12, 4-pin	IME30-15BPSZCOS	1041030
	20 mm	non-flush	PNP, N/O	Connector M12, 4-pin	IME30-20NPSZCOS	1041046

IMM – Inductive miniature sensors for industrial use



- Enclosure rating: IP67
- Ambient temperature: –25 °C ... +70 °C
- Stainless steel housing



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Size	Sensing range	Mounting	Switching output	Connection	Type	Part number
Ø 3 mm	0.6 mm	flush	PNP, N/O	Cable, 2 m, PUR	IHM03-0B6PSVU2S	1102476
	1 mm	flush	PNP, N/O	Pigtail, M8 connector	IHM03-01BPSVR8K	1108735
M4	0.6 mm	flush	PNP, N/O	Cable, 2 m, PUR	IMM04-0B6PSVU2S	1103630
	1 mm	flush	PNP, N/O	Pigtail, M8 connector	IMM04-01BPSVR8K	1108738
Ø 4 mm	0.8 mm	flush	PNP, N/O	Cable, 2 m, PUR	IHM04-0B8PSVU2S	1101824
	1.5 mm	flush	PNP, N/O	Pigtail, M8 connector	IHM04-1B5PSVR8K	1108726
M5	0.8 mm	flush	PNP, N/O	Connector M8, 3-pin	IMM05-0B8PSVTOS	1103984
				Cable, 2 m, PUR	IMM05-0B8PSVU2S	1101831
	1.5 mm	flush	PNP, N/O	Connector, M8, 3-pin	IMM05-1B5PSVTOS	1101611
				Cable, 2 m, PUR	IMM05-1B5PSVU2S	1101013

IQG – Compact rectangular inductive sensors with long sensing range for harsh conditions



- Enclosure rating: IP67, IP68, IP69K
- Ambient temperature: –25 °C ... +85 °C
- Plastic housing



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Size	Sensing range	Mounting	Switching output	Connection	Type	Part number
40 mm x 40 mm x 66 mm	20 mm	flush	PNP, complementary	Connector, M12	IQ40-20BPPKCOK	1071553
	40 mm	non-flush	PNP, complementary	Connector, M12	IQ40-40NPPKCOK	1071552
40 mm x 40 mm x 118 mm	20 mm	flush	PNP, complementary	Cable gland	IQ40-20BPPKKOS	1071860
	40 mm	non-flush	PNP, complementary	Cable gland	IQ40-40NPPKKOS	1071863

SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for industrial applications. With more than 11,900 employees and over 50 subsidiaries and equity investments, as well as numerous international agencies, SICK is always close to its customers. An extensive range of products and services creates the ideal basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

SICK has extensive experience in various industries and understands their processes and requirements. With intelligent sensors, SICK delivers exactly what the customers need. In application centers in Europe, Asia, and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes SICK a reliable supplier and development partner.

Comprehensive services round out the offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

That is “Sensor Intelligence.”

Worldwide presence:

Australia, Austria, Belgium, Brazil, Canada, Chile, China, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Hong Kong, India, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Norway, Poland, Romania, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Taiwan, Thailand, Turkey, United Arab Emirates, USA, Vietnam.

Detailed addresses and further locations → www.sick.com