Product family overview



IMM

Miniature sensors for industrial applications

SICK
Sensor Intelligence.

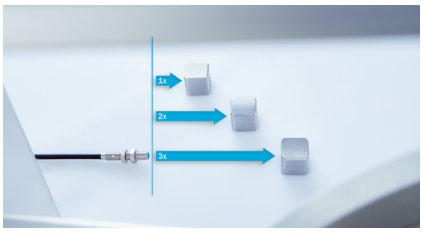
Advantages



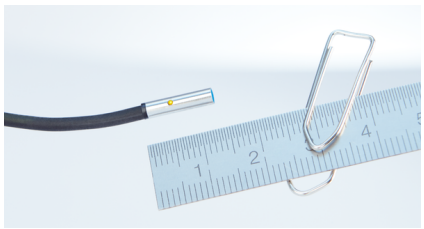
Maximum sensing ranges for great freedom in machine design

Minimal space requirements thanks to the tiny dimensions are what characterize the IMM miniature sensors from SICK. And they make no compromises when it comes to performance. With their large sensing ranges of up 6 mm, they IMM ensure stable processes and detect objects from a safe distance. The combination of a large sensing range and minimal space requirements increases freedom for machine design as well as the field of application of the sensors. This means not only can non-ferrous metals be detected at long distances, but the sensors can also be used where currently only larger sensors are deployed due to the required sensing ranges.

Perfectly suited for applications with tight installation space but high standards on the sensing range.



Thanks to the threefold sensing ranges of up to 6 mm, the IMM sensors detect every object from a safe distance.



The smallest IMM sensors are only 12 mm long and have a diameter of just 3 mm: This is how IMM sensors can fit in such small installation spaces.



Minimum space requirements of the sensors in the M8 and M12 sizes without compromises in the sensing range.

Stable processes and high flexibility in machine design thanks to large sensing ranges and compact miniature design



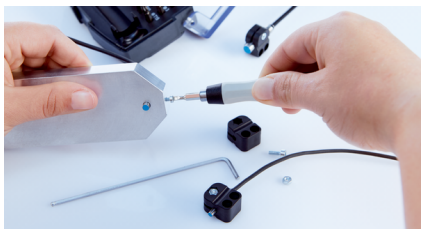
Fast, easy and safe installation

With IMM sensors, you save valuable time when installing the sensors, thereby increasing your productivity. Thanks to the visual adjustment indicator, you have a simple way to ensure reliable sensor function during operation. The high tightening torques and the specially-designed mounting accessories facilitate sensor mounting and ensure permanent and secure assembly. In addition, the IMM are equipped with IO-Link version 1.1. In addition to simple sensor diagnostics and easy access to data, this also supports the assembly process. Device exchange and identification therefore only takes a few seconds, and considerably less wiring work is required thanks to integration into the PLC system via remote IO-Link master modules.

Huge time savings during installation thanks to additional functions and accessories



Visual adjustment indicator: the LED signalizes when the secured sensing range has been reached.

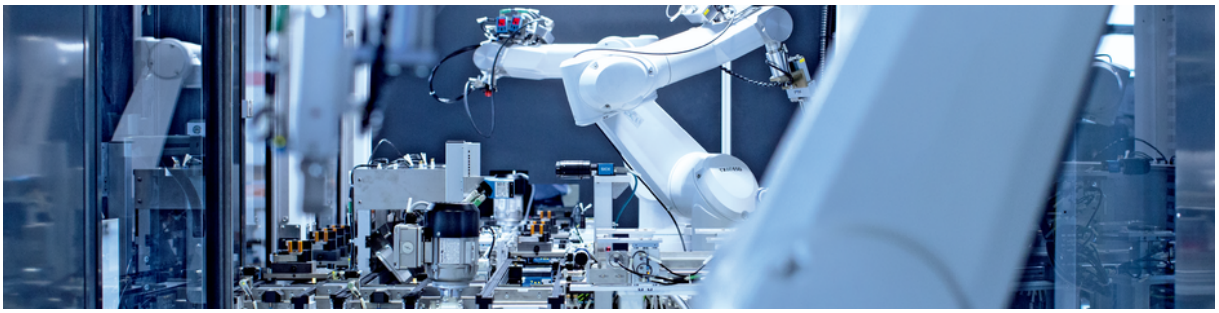


Reinforced V2A housing for high tightening torques as well as associated mounting accessories make mounting even easier and more secure.



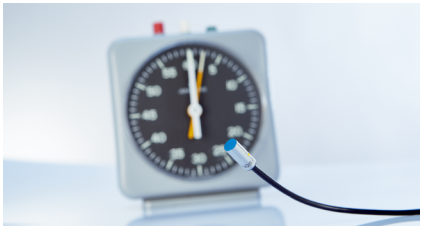
IO-Link: simple device exchange and quick device identification, minimal wiring effort and easy sensor diagnostics as well as easy access to data.

Thanks to the visual adjustment indicator, IO-Link as well as the associated accessories, installation of IMM sensors is quick and easy.



The best choice for highly dynamic handling and assembly processes

In addition to the compact size, the high positioning accuracy and precise switching behavior are the most significant requirements in handling and assembly processes. The IMM sensors with high switching frequency, high repeatability and stable switching signals fulfill these requirements unconditionally. While large sensors often reach their limits with very small objects, IMM devices reliably detect even small objects and are therefore optimally suited for the detection of the tiniest components in supply processes. The low weight of the sensors enables fast acceleration of moving components. A flexible cable is also available on request, which means that highly dynamic processes with several movement cycles per day are no longer a challenge.



High positioning accuracy and precise switching behavior for reliable detection of fast processes.



High detection sensitivity makes possible the detection of small objects such as wires, nuts and screws.



The low weight and flexible cables enable fast acceleration and high bending stresses in dynamic handling processes (flexible cable available on request).

IMM sensors are perfectly designed for handling and assembly applications



Technical data overview

Housing	Cylindrical smooth housing / Cylindrical thread design (depending on type)
Thread size	M4 x 0.5 M5 x 0.5
Housing diameter	Ø 3 mm ... Ø 6.5 mm (depending on type)
Sensing range S_n	0.6 mm ... 6 mm (depending on type)
Electrical wiring	DC 3-wire
Housing material	Stainless steel V2A
Enclosure rating	IP68 / IP69K / IP67 (depending on type)
Housing	Cylindrical smooth housing / Cylindrical thread design (depending on type)
Thread size	M4 x 0.5 M5 x 0.5
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Sensing range S_n	0.6 mm ... 6 mm (depending on type)
Electrical wiring	DC 3-wire
Housing material	Stainless steel V2A
Enclosure rating	IP68 / IP69K / IP67 (depending on type)

Product description

Minimal space requirements paired with maximum performance characterize the IMM inductive proximity sensors. They allow the highest level of miniaturization without compromise. Thanks to the 3-fold sensing range up to 6 mm, IMM devices detect objects from a greater distance than before. Due to their small size, low weight and quick and precise switching behavior, the IMM sensors are ideal for highly dynamic handling and assembly processes. State-of-the-art ASIC technology enables the integration of a visual adjustment indicator as well as communication via IO-Link, version 1.1. This saves time for commissioning, reduces installation errors and turns the sensors into suppliers of data for future automation applications at the same time.

At a glance

- Design: M4 to M5, diameter: 3 mm to 6.5 mm
- Extended sensing ranges: 0.6 mm to 6 mm
- Electrical configuration: DC, 3-wire
- Enclosure rating: IP67
- Temperature range: –25 °C to +70 °C
- Rugged stainless-steel housing, plastic sensing face
- 3-fold sensing ranges, visual adjustment indicator, IO-Link communication

Your benefits

- Space-saving installation and significant flexibility in machine design thanks to the compact size
- High positioning accuracy and precise switching behavior for reliable detection of fast handling and assembly processes
- Stable processes and high plant availability thanks to 3-fold sensing range
- High detection sensitivity makes possible reliable detection of small objects
- High degree of flexibility and communication options thanks to IO-Link
- Simple mounting thanks to visual adjustment indicator
- The low weight of the sensor enables fast acceleration in dynamic handling processes

Fields of application

- Handling, assembly processes: positioning
- Supply processes: detecting tiny components, counting
- Small waves: speed monitoring, direction of movement detection
- Gripper: position detection (gripper open or closed)
- Linear or rotating gripper: positioning
- CNC workpiece changer and spindles: position detection

Ordering information

Other models and accessories ➜ www.sick.com/IMM

- **Sub product family:** IH03
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
0.6 mm	Standard design	NPN	NO	Cable, 3-wire, 2 m	IH03-0B6NS-VU1	6020142
		PNP	NC	Cable, 3-wire, 2 m	IH03-0B6PO-VU1	6020143
			NO	Cable with connector M8, 3-pin, with knurled nuts, 0.2 m	IH03-0B6PS-VR1	6038602
				Cable, 3-wire, 2 m	IH03-0B6PS-VU1	6020141
				Cable, 3-wire, 5 m	IH03-0B6PS-VUB	6020630
0.8 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m [1]	IHP03-0B8NSVU2K	6058032
		PNP	NO	Cable, 3-wire, 2 m [1]	IHP03-0B8PSVU2K	6058033
1 mm	Short-body	NPN	NO	Cable with connector M8, 3-pin, 0.2 m [1]	IH03-01BNSVR8K	6058026
				Cable, 3-wire, 2 m [1]	IH03-01BNSVU2K	6058024
		PNP	NO	Cable with connector M8, 3-pin, 0.2 m [1]	IH03-01BPSVR8K	6058027
				Cable, 3-wire, 2 m [1]	IH03-01BPSVU2K	6058025

[1] Do not bend below 0 °C.

- **Sub product family:** IM04
- **Cylindrical thread design:** M4
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
0.6 mm	Standard design	NPN	NO	Cable, 3-wire, 2 m [1]	IM04-0B6NS-ZU1	6020146
		PNP	NC	Cable, 3-wire, 2 m [1]	IM04-0B6PO-ZU1	6020147
			NO	Cable with connector M8, 3-pin, with knurled nuts, 0.2 m [1]	IM04-0B6PS-ZR1	6042085
				Cable, 3-wire, 2 m [1]	IM04-0B6PS-ZU1	6020145
				Cable, 3-wire, 5 m [1]	IM04-0B6PS-ZUB	6020610
1 mm	Short-body	NPN	NO	Cable with connector M8, 3-pin, 0.2 m [1]	IM04-01BNSVR8K	6058030
				Cable, 3-wire, 2 m [1]	IM04-01BNSVU2K	6058028
		PNP	NO	Cable with connector M8, 3-pin, 0.2 m [1]	IM04-01BPSVR8K	6058031
				Cable, 3-wire, 2 m [1]	IM04-01BPSVU2K	6058029

[1] Do not bend below 0 °C.

- **Sub product family:** IH04
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n:** 0.8 mm
- **Housing:** Standard design
- **Output function:** NO

Switching output	Connection type	Type	Part no.
NPN	Cable, 3-wire, 2 m	IH04-0B8NS-VW1	6020149
	Connector M8, 3-pin	IH04-0B8NS-VT1	6020152
PNP	Cable with connector M8, 3-pin, 0.2 m	IH04-0B8PS-VR1	6045178
	Cable, 3-wire, 2 m	IH04-0B8PS-VW1	6020113
	Cable, 3-wire, 85 mm	IH04-0B8PS-VUD	6054677
	Connector M8, 3-pin	IH04-0B8PS-VT1	6020114

- **Sub product family:** IM05
- **Cylindrical thread design:** M5
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire
- **Housing:** Standard design

Sensing range S_n	Switching output	Output function	Special features	Connection type	Type	Part no.
0.8 mm	NPN	NC	–	Cable, 3-wire, 2 m	IM05-0B8NO-ZW1	6020157
		NO	–	Cable, 3-wire, 2 m	IM05-0B8NS-ZW1	6020155
				Connector M8, 3-pin	IM05-0B8NS-ZT1	6020158
			Temperature resistance	Cable, 3-wire, 2 m	IM05-0B8NSVS2SS01	6066461
	PNP	NC	–	Connector M8, 3-pin	IM05-0B8PO-ZT1	6020159
		NO	–	Cable, 3-wire, 2 m	IM05-0B8PS-ZW1	6011591
				Cable, 3-wire, 5 m	IM05-0B8PS-ZWB	6021575
				Connector M8, 3-pin	IM05-0B8PS-ZT1	6020110
1.5 mm	NPN	NC	–	Cable, 3-wire, 2 m	IM05-1B5NOVU2S	6049734
				Connector M8, 3-pin	IM05-1B5NOVT0S	6049738
		NO	–	Cable, 3-wire, 2 m	IM05-1B5NSVU2S	6049733
				Connector M8, 3-pin	IM05-1B5NSVT0S	6049737
	PNP	NC	–	Cable, 3-wire, 2 m	IM05-1B5POVU2S	6049736
				Connector M8, 3-pin	IM05-1B5POVT0S	6049740
		NO	–	Cable with connector M8, 3-pin, with knurled nuts, 0.2 m	IM05-1B5PSVR8S	6069347
				Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IM05-1B5PSVR9S	6069466
				Cable, 3-wire, 2 m	IM05-1B5PSVU2S	6049735
				Connector M8, 3-pin	IM05-1B5PSVT0S	6049739

- **Sub product family:** IH06
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
1.5 mm	Extremely short model	NPN	NO	Cable, 3-wire, 2 m	IH06-1B5NS-VWK	6020166
				Connector M8, 3-pin	IH06-1B5NS-VTK	6020170
		PNP	NC	Cable, 3-wire, 2 m	IH06-1B5PO-VWK	6020167
				Connector M8, 3-pin	IH06-1B5PO-VTK	6020171
			NO	Cable, 3-wire, 2 m	IH06-1B5PS-VWK	6020165
					IH06-1B5PS-VWXS01	6033574
				Connector M8, 3-pin	IH06-1B5PS-VTK	6020169
2 mm	Standard design	PNP	NO	Connector M8, 3-pin	IH06-02BPS-VTQ	6025690

- **Sub product family:** IH06
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n:** 2 mm

Housing	Switching output	Output function	Connection type	Type	Part no.
Standard design	NPN	NO	Cable, 3-wire, 2 m	IH06-02BNS-VW1	7900178
			Connector M8, 3-pin	IH06-02BNS-VT1	7900180
	PNP	NC	Connector M8, 3-pin	IH06-02BPO-VT1	1016857
		NO	Cable, 3-wire, 2 m	IH06-02BPS-VW1	7900177
			Connector M8, 3-pin	IH06-02BPS-VT1	7900179
Short-body	NPN	NO	Cable, 3-wire, 2 m	IH06-02BNS-VWK	6025875
			Connector M8, 3-pin	IH06-02BNS-VTK	6025878
	PNP	NC	Connector M8, 3-pin	IH06-02BPO-VTK	6025879
		NO	Cable, 3-wire, 2 m	IH06-02BPS-VWK	6025874
			Connector M8, 3-pin	IH06-02BPS-VTK	6025877

- **Sub product family:** IH06
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n:** 4 mm

Housing	Switching output	Output function	Connection type	Type	Part no.
Standard design	NPN	NO	Cable, 3-wire, 2 m	IH06-04NNS-VW1	7900182
	PNP	NO	Cable, 3-wire, 2 m	IH06-04NPS-VW1	7900181
			Connector M8, 3-pin	IH06-04NPS-VT1	7900183

Housing	Switching output	Output function	Connection type	Type	Part no.
Short-body	NPN	NO	Cable, 3-wire, 2 m	IH06-04NNS-VWK	6025881
			Connector M8, 3-pin	IH06-04NNS-VTK	6025883
	PNP	NC	Connector M8, 3-pin	IH06-04NPO-VTK	6025884
		NO	Cable, 3-wire, 2 m	IH06-04NPS-VWK	6025880
			Connector M8, 3-pin	IH06-04NPS-VTK	6025882

- **Sub product family:** IHM03
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
0.6 mm	Standard design	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM03-0B6NOVU2S	1114508
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM03-0B6NSVU2S	1103991
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM03-0B6POVU2S	1111250
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM03-0B6PSVR8S	1108736
					Cable, 3-wire, 2 m	IHM03-0B6PSVU2S	1102476
1 mm	Standard design	PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM03-01BPOVU2S	1111251
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM03-01BPSVR8S	1108737
					Cable, 3-wire, 2 m	IHM03-01BPSVU2S	1097305
	Short-body	NPN	NO	Visual adjustment indicator	Cable with connector M8, 3-pin, 0.2 m	IHM03-01BNSVR8K	1114531
					Cable, 3-wire, 2 m	IHM03-01BNSVU2K	1111030
		PNP	NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM03-01BPSVR8K	1108735
					Cable, 3-wire, 2 m	IHM03-01BPSVU2K	1101607

- **Sub product family:** IMM04
- **Cylindrical thread design:** M4
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
0.6 mm	Standard design	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM04-0B6NOVU2S	1114510
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM04-0B6NSVU2S	1114509
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM04-0B6POVU2S	1111252
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM04-0B6PSVR8S	1108739
					Cable, 3-wire, 2 m	IMM04-0B6PSVU2S	1103630
1 mm	Standard design	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM04-01BNSVU2S	1105618
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM04-01BPOVU2S	1111253
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM04-01BPSVR8S	1108740
					Cable, 3-wire, 2 m	IMM04-01BPSVU2S	1101613
	Short-body	NPN	NO	Visual adjustment indicator	Cable with connector M8, 3-pin, 0.2 m	IMM04-01BNSVR8K	1114511
					Cable, 3-wire, 2 m	IMM04-01BNSVU2K	1103233
		PNP	NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM04-01BPSVR8K	1108738
					Cable, 3-wire, 2 m	IMM04-01BPSVU2K	1101614

- **Sub product family:** IHM04
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
0.8 mm	Standard design	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM04-0B8NSVU2S	1105839
					Connector M8, 3-pin	IHM04-0B8NSVT0S	1107983
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM04-0B8POVU2S	1114512
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM04-0B8PSVR8S	1107732
					Cable, 3-wire, 2 m	IHM04-0B8PSVU2S	1101824
					Connector M8, 3-pin	IHM04-0B8PSVT0S	1103977
1.5 mm	Standard design	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM04-1B5NSVU2S	1101903
					Connector M8, 3-pin	IHM04-1B5NSVT0S	1107920
		PNP	NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM04-1B5PSVR8S	1108728
					Cable, 3-wire, 2 m	IHM04-1B5PSVU2S	1096869
					Connector M8, 3-pin	IHM04-1B5PSVT0S	1097330
	Short-body	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM04-1B5NSVU2K	1103992
		PNP	NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IHM04-1B5PSVR8K	1108726
					Cable, 3-wire, 2 m	IHM04-1B5PSVU2K	1101608

- **Sub product family:** IMM05
- **Cylindrical thread design:** M5
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
0.8 mm	Standard design	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-0B8NOVU2S	1114516
					Connector M8, 3-pin	IMM05-0B8NOVT0S	1114523
			NO	Visual adjustment indicator	Cable with connector M8, 3-pin, 0.2 m	IMM05-0B8NSVR8S	1108732
					Cable, 3-wire, 2 m	IMM05-0B8NSVU2S	1103634
					Connector M8, 3-pin	IMM05-0B8NSVT0S	1114520
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-0B8POVU2S	1114515
					Connector M8, 3-pin	IMM05-0B8POVT0S	1111255
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM05-0B8PSVR8S	1111249
					Cable, 3-wire, 2 m	IMM05-0B8PSVU2S	1101831
					Connector M8, 3-pin	IMM05-0B8PSVT0S	1103984

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
1.5 mm	Standard design	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-1B5N0VU2S	1114518
					Connector M8, 3-pin	IMM05-1B5N0VT0S	1114527
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-1B5NSVU2S	1101904
					Connector M8, 3-pin	IMM05-1B5NSVT0S	1114526
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-1B5P0VU2S	1111254
						IMM05-1B5P0VU2SS02	1119900
					Connector M8, 3-pin	IMM05-1B5P0VT0S	1111256
			NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM05-1B5PSVR8S	1108733
					Cable, 3-wire, 2 m	IMM05-1B5PSVU2S	1101013
					Connector M8, 3-pin	IMM05-1B5PSVT0S	1101611
	Short-body	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IMM05-1B5NSVU2K	1105620
		PNP	NO	Visual adjustment indicator, IO-Link	Cable with connector M8, 3-pin, 0.2 m	IMM05-1B5PSVR8K	1108730
					Cable, 3-wire, 2 m	IMM05-1B5PSVU2K	1101612

- **Sub product family:** IHM06
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
1.5 mm	Extremely short model	NPN	NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-1B5NSVW2G	1103298
					Connector M8, 3-pin	IHM06-1B5NSVT0G	1101120
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-1B5P0VW2G	1104484
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-1B5PSVU2G	1104494
						IHM06-1B5PSVW2G	1099600
					Connector M8, 3-pin	IHM06-1B5PSVT0G	1101119
	Short-body	PNP	NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-1B5PSVU2K	1115211
						IHM06-1B5PSVW2K	1114598
					Connector M8, 3-pin	IHM06-1B5PSVT0K	1114596

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
2 mm	Extremely short model	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BN0VW2G	1103980
					Connector M8, 3-pin	IHM06-02BN0VT0G	1101123
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BNSVW2G	1103979
					Connector M8, 3-pin	IHM06-02BNSVT0G	1101126
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BP0VW2G	1103978
					Connector M8, 3-pin	IHM06-02BP0VT0G	1101122
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-02BPSVW2G	1099599
					Connector M8, 3-pin	IHM06-02BPSVT0G	1101121
	Standard design	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BN0VW2S	1104492
					Connector M8, 3-pin	IHM06-02BN0VT0S	1101132
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BNSVW2S	1104493
					Connector M8, 3-pin	IHM06-02BNSVT0S	1101131
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BP0VW2S	1104491
					Connector M8, 3-pin	IHM06-02BP0VT0S	1101134
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-02BPSVU2S	1104490
						IHM06-02BPSVW2S	1101165
					Connector M8, 3-pin	IHM06-02BPSVT0S	1101133
	Short-body	NPN	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BN0VW2K	1104488
					Connector M8, 3-pin	IHM06-02BN0VT0K	1101129
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BNSVW2K	1104489
					Connector M8, 3-pin	IHM06-02BNSVT0K	1101130
		PNP	NC	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-02BP0VW2K	1104487
					Connector M8, 3-pin	IHM06-02BP0VT0K	1101128
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-02BPSVU2K	1104486
						IHM06-02BPSVW2K	1101164
					Connector M8, 3-pin	IHM06-02BPSVT0K	1101127

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
3 mm	Extremely short model	NPN	NC	Visual adjustment indicator, triple sensing range	Connector M8, 3-pin	IHM06-03BNOVT0G	1103986
			NO		Cable, 3-wire, 2 m	IHM06-03BNSVW2G	1107047
					Connector M8, 3-pin	IHM06-03BNSVT0G	1103985
		PNP	NC		Connector M8, 3-pin	IHM06-03BPOVT0G	1103983
			NO	Visual adjustment indicator, IO-Link, triple sensing range	Cable, 3-wire, 2 m	IHM06-03BPSVW2G	1107049
					Connector M8, 3-pin	IHM06-03BPSVT0G	1103982
	Standard design	NPN	NO	Visual adjustment indicator, triple sensing range	Connector M8, 3-pin	IHM06-03BNSVT0S	1107051
		PNP	NO	Visual adjustment indicator, IO-Link, triple sensing range	Connector M8, 3-pin	IHM06-03BPSVT0S	1107050
	Short-body	NPN	NC	Visual adjustment indicator, triple sensing range	Connector M8, 3-pin	IHM06-03BNOVT0K	1104498
			NO		Cable, 3-wire, 2 m	IHM06-03BNSVW2K	1113394
					Connector M8, 3-pin	IHM06-03BNSVT0K	1104496
		PNP	NC		Connector M8, 3-pin	IHM06-03BPOVT0K	1104497
			NO	Visual adjustment indicator, IO-Link, triple sensing range	Connector M8, 3-pin	IHM06-03BPSVT0K	1104495

- **Sub product family:** IHM06
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
4 mm	Standard design	NPN	NC	Visual adjustment indicator	Connector M8, 3-pin	IHM06-04NNOVT0S	1104504
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-04NNSVW2S	1104514
					Connector M8, 3-pin	IHM06-04NNSVT0S	1104503
		PNP	NC	Visual adjustment indicator	Connector M8, 3-pin	IHM06-04NPOVT0S	1104505
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-04NPSVW2S	1104515
					Connector M8, 3-pin	IHM06-04NPSVT0S	1104506
	Short-body	NPN	NC	Visual adjustment indicator	Connector M8, 3-pin	IHM06-04NNOVT0K	1104501
			NO	Visual adjustment indicator	Cable, 3-wire, 2 m	IHM06-04NNSVW2K	1104513
					Connector M8, 3-pin	IHM06-04NNSVT0K	1104502
		PNP	NC	Visual adjustment indicator	Connector M8, 3-pin	IHM06-04NPOVT0K	1104500
			NO	Visual adjustment indicator, IO-Link	Cable, 3-wire, 2 m	IHM06-04NPSVW2K	1104512
					Connector M8, 3-pin	IHM06-04NPSVT0K	1104499

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
6 mm	Standard design	NPN	NO	Visual adjustment indicator, triple sensing range	Connector M8, 3-pin	IHM06-06NNSVT0S	1113395
		PNP	NO	Visual adjustment indicator, IO-Link, triple sensing range	Connector M8, 3-pin	IHM06-06NPSVT0S	1114155
	Short-body	NPN	NC	Visual adjustment indicator, triple sensing range	Connector M8, 3-pin	IHM06-06NN0VT0K	1104511
			NO		Cable, 3-wire, 2 m	IHM06-06NNSVW2K	1106314
					Connector M8, 3-pin	IHM06-06NNSVT0K	1104510
		PNP	NC		Cable, 3-wire, 2 m	IHM06-06NP0VW2K	1108857
					Connector M8, 3-pin	IHM06-06NP0VT0K	1104509
			NO	Visual adjustment indicator, IO-Link, triple sensing range	Cable with connector M8, 3-pin, with knurled nuts, 0.2 m	IHM06-06NPSVR8K	1134492
					Cable, 3-wire, 2 m	IHM06-06NPSVW2K	1105591
					Connector M8, 3-pin	IHM06-06NPSVT0K	1104507

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