



IM Standard

The economical standard for use in industrial environments

INDUCTIVE PROXIMITY SENSORS

SICK
Sensor Intelligence.



Technical data overview

Housing	Cylindrical thread design
Thread size	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
Diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1.5 mm ... 20 mm (depending on type)
Housing material	Brass Stainless steel V2A Stainless steel (depending on type)
Enclosure rating	IP67 / IP68 (depending on type)

Product description

SICK's inductive sensors offer precise detection, less downtime, and a long service life. The IM AC inductive sensors pack high technology into the smallest of spaces. The integrated ASIC chip enables digital adjustment after the end of the manufacturing process. The saving of values in the ASIC ensures highly precise switching points and very high repeatability of values – for any number of production runs. IME sensors are completely encapsulated with hot melt technology, which increases these sensors' life under shock and vibration. The customer benefits from high positioning accuracy in the machine and long-term sensor reliability.

At a glance

- Types: M08 to M30
- Extended sensing ranges: 1.5 to 2 mm
- Electrical configuration: DC 3-/4-wire, DC 2-wire
- Enclosure rating: IP67
- Temperature range: -25 °C to 75 °C
- Nickel-plated brass housing; plastic sensing face

Your benefits

- Reliable processes thanks to extended, highly accurate sensing ranges enabled through the use of SICK ASIC technology
- Reduced machine downtimes thanks to a longer sensor service life
- Highly cost-efficient thanks to low purchase costs
- Wide selection available thanks to extensive standard portfolio

Ordering information

Other models and accessories → www.sick.com/IM_Standard

- **Sub product family:** IM08
- **Cylindrical thread design:** M8
- **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	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM08-1B5NS-ZWK	6020173

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
		PNP	NC	Connector M8, 3-pin	IM08-1B5NS-ZTK	6020176
				Cable, 3-wire, 2 m	IM08-1B5PO-ZWK	6020174
				Cable, 3-wire, 3 m	IM08-1B5PO-ZUK	6066351
			NO	Connector M8, 3-pin	IM08-1B5PO-ZTK	6020177
				Cable, 3-wire, 2 m	IM08-1B5PS-ZWK	6020111
				Cable, 3-wire, 5 m	IM08-1B5PS-ZUK	6048740
				Connector M8, 3-pin	IM08-1B5PS-ZTK	6020112
		NPN	NC	Cable, 3-wire, 2 m	IM08-1B5NO-ZW1	6020218
				Cable, 3-wire, 2 m	IM08-1B5NS-ZW1	6020216
			NO	Connector M8, 3-pin	IM08-1B5NS-ZT1	6020220
				Male connector M12, 4-pin	IM08-1B5NS-ZC1	6020224
			NC	Cable, 3-wire, 2 m	IM08-1B5PO-ZW1	6020217
				Cable, 3-wire, 3 m	IM08-1B5PO-ZWA	6027376
				Connector M8, 3-pin	IM08-1B5PO-ZT1	6020221
				Male connector M12, 4-pin	IM08-1B5PO-ZC1	6020225
			NO	Cable, 3-wire, 2 m	IM08-1B5PS-ZW1	6020215
				Cable, 3-wire, 5 m	IM08-1B5PS-ZWB	6021742
				Connector M8, 3-pin	IM08-1B5PS-ZT1	6020219
				Male connector M12, 4-pin	IM08-1B5PS-ZTX	6027913
					IM08-1B5PS-ZC1	6020223
	Short-body	NPN	NC	Connector M8, 3-pin	IM08-02BNO-ZTK	6025866
				Cable, 3-wire, 2 m	IM08-02BNS-ZWK	6025862
			NO	Connector M8, 3-pin	IM08-02BNS-ZTK	6025864
				Connector M8, 3-pin	IM08-02BPO-ZTK	6025865
		PNP	NC	Connector M8, 3-pin	IM08-02BPO-ZTK	6025865

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.			
			NO	Cable, 3-wire, 2 m	IM08-02BPS-VUK	6036787			
					IM08-02BPS-ZUK	6029425			
					IM08-02BPS-ZWK	6025861			
				Cable, 3-wire, 3 m	IM08-02BPS-ZUA	6030237			
					Connector M8, 3-pin	IM08-02BPS-VTK	6025689		
						IM08-02BPS-ZTK	6025863		
			Standard	NPN	NC	Connector M8, 3-pin	IM08-02BNO-ZT1	7900008	
							NO	Cable, 3-wire, 2 m	IM08-02BNS-VW1
					IM08-02BNS-ZW1	7900002			
					Connector M8, 3-pin	IM08-02BNS-ZT1		7900006	
						PNP		NC	Cable, 3-wire, 2 m
					IM08-02BPO-ZW1		7900003		
	Cable, 3-wire, 5 m	IM08-02BPO-ZWF	6028788						
		Connector M8, 3-pin	IM08-02BPO-ZT1	7900007					
	NO	Cable, 3-wire, 2 m	IM08-02BPS-ZW1	7900001					
			Cable, 3-wire, 3 m	IM08-02BPS-ZWA	6027375				
			Cable, 3-wire, 5 m	IM08-02BPS-ZWB	1017566				
				IM08-02BPS-ZWF	6028787				
		Connector M8, 3-pin	IM08-02BPS-ZT1	7900005					
			IM08-02BPS-ZT1S01	6030861					

- **Sub product family:** IM08
- **Cylindrical thread design:** M8
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
2.5 mm	Standard	NPN	NO	Cable, 3-wire, 2 m	IM08-2N5NS-ZW1	6020228
					IM08-2N5NS-ZW1S03	6022650
				Connector M8, 3-pin	IM08-2N5NS-ZT1	6020232
					IM08-2N5NS-ZC1	6020236
		PNP	NO	Cable, 3-wire, 2 m	IM08-2N5PS-ZU1	6033606
					IM08-2N5PS-ZW1	6020227
				Cable, 3-wire, 5 m	IM08-2N5PS-ZWB	6022189
					IM08-2N5PS-ZT1	6020231
				Connector M8, 3-pin	IM08-2N5PS-ZT1	6020231
					IM08-2N5PS-ZC1	6020235

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Short-body	NPN	NC	Connector M8, 3-pin	IM08-04NNO-ZTK	6025872
			NO	Cable, 3-wire, 2 m	IM08-04NNS-ZWK	6025868
				Connector M8, 3-pin	IM08-04NNS-ZTK	6025870
		PNP	NC	Connector M8, 3-pin	IM08-04NPO-ZTK	6025871
			NO	Cable, 3-wire, 2 m	IM08-04NPS-ZWK	6025867
				Connector M8, 3-pin	IM08-04NPS-ZTK	6025869
	Standard	NPN	NC	Connector M8, 3-pin	IM08-04NNO-ZT1	7900016
			NO	Cable, 3-wire, 2 m	IM08-04NNS-ZW1	7900010
				Connector M8, 3-pin	IM08-04NNS-ZT1	7900014
		PNP	NC	Cable, 3-wire, 2 m	IM08-04NPO-ZW1	7900011
				Connector M8, 3-pin	IM08-04NPO-ZT1	7900015
			NO	Cable, 3-wire, 2 m	IM08-04NPS-ZW1	7900009
				Connector M8, 3-pin	IM08-04NPS-ZT1	7900013

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
2 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM12-02BNS-ZUK	1017438
				Male connector M12, 4-pin	IM12-02BNS-ZCK	1017440
		PNP	NO	Cable, 3-wire, 2 m	IM12-02BPS-ZUK	1017426
				Male connector M12, 4-pin	IM12-02BPS-ZCK	1017428
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM12-02BNO-ZW1	6011966
				Male connector M12, 4-pin	IM12-02BNO-ZC1	6011974
			NO	Cable with GHW-connector	IM12-02BNS-ZPX	6026456
				Cable, 3-wire, 2 m	IM12-02BNS-ZW1	6011964
				Connector M8, 3-pin	IM12-02BNS-ZT1	6011968
				Male connector M12, 4-pin	IM12-02BNS-ZC1	6011972
		PNP	NC	Cable, 3-wire, 2 m	IM12-02BPO-ZW1	6011965
				Male connector M12, 4-pin	IM12-02BPO-ZC1	6011973
			NO	Cable, 3-wire, 2 m	IM12-02BPS-ZW1	6011963
				Cable, 3-wire, 3 m	IM12-02BPS-ZUA	1025488
				Cable, 3-wire, 5 m	IM12-02BPS-ZWB	6012035
				Connector M8, 3-pin	IM12-02BPS-ZT1	6011967
				Male connector M12, 4-pin	IM12-02BPS-ZC1	6011971

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Short-body	NPN	NC	Cable, 3-wire, 2 m	IM12-04BNO-ZWK	6032332
				Male connector M12, 4-pin	IM12-04BNO-ZCK	6025859
			NO	Cable, 3-wire, 2 m	IM12-04BNS-ZWK	6025683
				Male connector M12, 4-pin	IM12-04BNS-ZCK	6025681
		PNP	NC	Male connector M12, 4-pin	IM12-04BPO-ZCK	6025680
				Cable, 3-wire, 2 m	IM12-04BPS-ZWK	6025682
			NO	Male connector M12, 4-pin	IM12-04BPS-ZCK	6025679
				Cable, 3-wire, 2 m	IM12-04BNS-ZW1	7900034
	Standard	NPN	NO	Male connector M12, 4-pin	IM12-04BNS-ZC1	7900038
				Cable, 3-wire, 2 m	IM12-04BPO-ZW1	7900035
		PNP	NC	Male connector M12, 4-pin	IM12-04BPO-ZC1	7900039
				Cable, 3-wire, 2 m	IM12-04BPS-ZW1	7900033
			NO	Cable, 3-wire, 5 m	IM12-04BPS-ZWB	1017476
				Male connector M12, 4-pin	IM12-04BPS-ZC1	7900037

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM12-04NNS-ZUK	1017439
				Male connector M12, 4-pin	IM12-04NNS-ZCK	1017441
		PNP	NO	Cable, 3-wire, 2 m	IM12-04NPS-ZUK	1017427
				Male connector M12, 4-pin	IM12-04NPS-ZCK	1017429
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM12-04NNO-ZW1	6011978
				Cable, 3-wire, 2 m	IM12-04NNS-ZW1	6011976
			NO	Cable, 3-wire, 5 m	IM12-04NNS-ZWB	6026527
				Connector M8, 3-pin	IM12-04NNS-ZT1	6011980
				Male connector M12, 4-pin	IM12-04NNS-ZC1	6011984
				Cable, 3-wire, 2 m	IM12-04NPO-ZW1	6011977
				Male connector M12, 4-pin	IM12-04NPO-ZC1	6011985
		PNP	NC	Cable, 3-wire, 2 m	IM12-04NPS-ZWXS01	6032979
				Cable with M12 male connector, 4-pin, 0.3 m	IM12-04NPS-ZQD	1042179
			NO	Cable, 3-wire, 2 m	IM12-04NPS-VW1	6033255
					IM12-04NPS-ZW1	6011975
				Cable, 3-wire, 5 m	IM12-04NPS-ZUB	1019629
					IM12-04NPS-ZWB	6012036
				Connector M8, 3-pin	IM12-04NPS-ZT1	6011979
				Male connector M12, 4-pin	IM12-04NPS-VC1	6033810
					IM12-04NPS-ZC1	6011983

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
8 mm	Short-body	NPN	NC	Male connector M12, 4-pin	IM12-08NNO-ZCK	6025860
			NO	Male connector M12, 4-pin	IM12-08NNS-ZCK	6025687
		PNP	NC	Male connector M12, 4-pin	IM12-08NPO-ZCK	6025688
			NO	Cable, 3-wire, 2 m	IM12-08NPS-ZWK	6025684
				Male connector M12, 4-pin	IM12-08NPS-ZCK	6025686
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM12-08NNO-ZW1	7900044
			NO	Cable, 3-wire, 2 m	IM12-08NNS-ZW1	7900042
				Male connector M12, 4-pin	IM12-08NNS-ZC1	7900046
		PNP	NC	Cable, 3-wire, 2 m	IM12-08NPO-ZW1	7900043
				Male connector M12, 4-pin	IM12-08NPO-ZC1	7900047
			NO	Cable with M12 male connector, 4-pin, 2 m	IM12-08NPS-ZQ1	6066352
				Cable, 3-wire, 2 m	IM12-08NPS-ZW1	7900041
				Male connector M12, 4-pin	IM12-08NPS-ZC1	7900045

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
2 mm	Standard	NPN	Complementary	Male connector M12, 4-pin	IM12-02BNP-ZC1	7902924
		PNP	Complementary	Male connector M12, 4-pin	IM12-02BPP-ZC1	7902923
		PNP, NPN	NC, NO	Cable, 4-wire, 2 m	IM12-02BCP-ZW1	7902927
				Male connector M12, 4-pin	IM12-02BCP-ZC1	7902928

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Standard	NPN	Complementary	Male connector M12, 4-pin	IM12-04NPN-ZC1	7902926
		PNP	Complementary	Male connector M12, 4-pin	IM12-04NPP-ZC1	7902925
		PNP, NPN	NC, NO	Cable, 4-wire, 2 m	IM12-04NCP-ZW1	7902929
				Male connector M12, 4-pin	IM12-04NCP-ZC1	7902930

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
2 mm	Standard	NC	Cable, 2-wire, 2 m	IM12-02BDO-ZW1	6020311
		NO	Cable, 2-wire, 2 m	IM12-02BDS-ZW1	6020310
			Male connector M12, 4-pin	IM12-02BDS-ZC1	6020312

- **Sub product family:** IM12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
4 mm	Standard	NC	Cable, 2-wire, 2 m	IM12-04NDO-ZW1	6020315
			Male connector M12, 4-pin	IM12-04NDO-ZC1	6020317
		NO	Cable, 2-wire, 2 m	IM12-04NDS-ZW1	6020314
			Male connector M12, 4-pin	IM12-04NDS-ZC1	6020316

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
5 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM18-05BNS-ZUK	1017442
				Male connector M12, 4-pin	IM18-05BNS-ZCK	1017444
		PNP	NO	Cable, 3-wire, 2 m	IM18-05BPS-ZUK	1017430
				Male connector M12, 4-pin	IM18-05BPS-ZCK	1017432
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM18-05BNO-ZW1	6011990
				Male connector M12, 4-pin	IM18-05BNO-ZC1	6011994
			NO	Cable, 3-wire, 2 m	IM18-05BNS-ZW1	6011988
				Male connector M12, 4-pin	IM18-05BNS-ZC1	6011992
		PNP	NC	Cable, 3-wire, 2 m	IM18-05BPO-ZW1	6011989
				Male connector M12, 4-pin	IM18-05BPO-ZC1	6011993
			NO	Cable, 3-wire, 2 m	IM18-05BPS-ZW1	6011987
				Cable, 3-wire, 5 m	IM18-05BPS-ZWB	6020784
				Male connector M12, 4-pin	IM18-05BPS-ZC1	6011991
8 mm	Standard	NPN	NO	Cable, 3-wire, 2 m	IM18-08BNS-ZW1	7900082
				Male connector M12, 4-pin	IM18-08BNS-ZC1	7900086
		PNP	NC	Cable, 3-wire, 2 m	IM18-08BPO-ZW1	7900083
				Male connector M12, 4-pin	IM18-08BPO-ZC1	7900087
					IM18-08BPO-ZCX	6030204
		NO	NO	Cable, 3-wire, 2 m	IM18-08BPS-ZW1	7900081
				Cable, 3-wire, 5 m	IM18-08BPS-ZWB	6030761
				Male connector M12, 4-pin	IM18-08BPS-ZC1	7900085

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
12 mm	Standard	NPN	NC	Male connector M12, 4-pin	IM18-12NNO-ZC1	7900100
			NO	Cable with M12 male connector, 4-pin, 1 m	IM18-12NNS-ZQD	6032715
				Cable, 3-wire, 2 m	IM18-12NNS-ZW1	7900094
				Male connector M12, 4-pin	IM18-12NNS-ZC1	7900098
		PNP	NC	Cable, 3-wire, 2 m	IM18-12NPO-ZW1	7900095
				Male connector M12, 4-pin	IM18-12NPO-ZC1	7900099
			NO	Cable, 3-wire, 2 m	IM18-12NPS-ZW1	7900093
				Male connector M12, 4-pin	IM18-12NPS-ZC1	7900097
8 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM18-08NNS-ZUK	1017443
				Male connector M12, 4-pin	IM18-08NNS-ZCK	1017445
		PNP	NO	Cable, 3-wire, 2 m	IM18-08NPS-ZUK	1017431
				Male connector M12, 4-pin	IM18-08NPS-ZCK	1017433
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM18-08NNO-ZW1	6011998
			NO	Cable, 3-wire, 10 m	IM18-08NNS-ZWD	6012049
				Cable, 3-wire, 2 m	IM18-08NNS-ZW1	6011996
				Cable, 3-wire, 3 m	IM18-08NNS-ZWA	6030123
				Male connector M12, 4-pin	IM18-08NNS-ZC1	6012000
		PNP	NC	Cable, 3-wire, 5 m	IM18-08NPO-ZWB	6020192
				Male connector M12, 4-pin	IM18-08NPO-ZC1	6012001
			NO	Cable with M12 male connector, 4-pin, 0.45 m	IM18-08NPS-ZQ1	6022038
				Cable, 3-wire, 2 m	IM18-08NPS-ZW1	6011995
				Cable, 3-wire, 5 m	IM18-08NPS-ZWB	6011960
				Male connector M12, 4-pin	IM18-08NPS-ZC1	6011999

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
5 mm	Standard	NPN	Complementary	Male connector M12, 4-pin	IM18-05BNP-ZC1	7902932
		PNP	Complementary	Male connector M12, 4-pin	IM18-05BPP-ZC1	7902931
		PNP, NPN	NC, NO	Cable, 4-wire, 2 m	IM18-05BCP-ZW1	7902935
				Cable, 4-wire, 9 m	IM18-05BCP-ZWX	6026520
				Male connector M12, 4-pin	IM18-05BCP-ZC1	7902936
8 mm	Standard	PNP	Complementary	Male connector M12, 4-pin	IM18-08BPP-ZC1	6032653

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
10 mm	Standard	PNP	Complementary	Male connector M12, 4-pin	IM18-10NPP-ZC1	6020965
8 mm	Standard	NPN	Complementary	Male connector M12, 4-pin	IM18-08NNP-ZC1	7902934
		PNP	Complementary	Male connector M12, 4-pin	IM18-08NPP-ZC1	7902933
		PNP, NPN	NC, NO	Cable, 4-wire, 2 m	IM18-08NCP-ZW1	7902937
				Male connector M12, 4-pin	IM18-08NCP-ZC1	7902938

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
5 mm	Standard	NC	Male connector M12, 4-pin	IM18-05BDO-ZC1	6020321
		NO	Cable, 2-wire, 2 m	IM18-05BDS-ZW1	6020318
			Male connector M12, 4-pin	IM18-05BDS-ZC1	6020320

- **Sub product family:** IM18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
8 mm	Standard	NO	Cable, 2-wire, 2 m	IM18-08NDS-ZW1	6020322
			Male connector M12, 4-pin	IM18-08NDS-ZC1	6020324

- **Sub product family:** IM30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
10 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM30-10BNS-ZUK	1017446
				Cable, 3-wire, 5 m	IM30-10BNS-ZUB	1058959
		PNP	NO	Cable, 3-wire, 2 m	IM30-10BPS-ZUK	1017434
				Male connector M12, 4-pin	IM30-10BPS-ZCK	1017436
	Standard	NPN	NC	Cable, 3-wire, 2 m	IM30-10BNO-ZW1	6020277
				Cable, 3-wire, 2 m	IM30-10BNS-ZW1	6020275
			Male connector M12, 4-pin	IM30-10BNS-ZC1	6020279	
		PNP	NC	Male connector M12, 4-pin	IM30-10BPO-ZC1	6020280
				NO	Cable, 3-wire, 2 m	IM30-10BPS-ZW1
			Male connector M12, 4-pin		IM30-10BPS-ZC1	6020278
15 mm	Standard	NPN	NO	Cable, 3-wire, 2 m	IM30-15BNS-ZW1	7900142
				Male connector M12, 4-pin	IM30-15BNS-ZC1	7900146
		PNP	NC	Cable, 3-wire, 2 m	IM30-15BPO-ZW1	7900143
				Male connector M12, 4-pin	IM30-15BPO-ZC1	7900147
		NO	NO	Cable, 3-wire, 2 m	IM30-15BPS-ZW1	7900141
				Male connector M12, 4-pin	IM30-15BPS-ZC1	7900145

- **Sub product family:** IM30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
15 mm	Short-body	NPN	NO	Cable, 3-wire, 2 m	IM30-15NNS-ZUK	1017447
		PNP	NO	Cable, 3-wire, 2 m	IM30-15NPS-ZUK	1017435
				Male connector M12, 4-pin	IM30-15NPS-ZCK	1017437
	Standard	NPN	NO	Cable, 3-wire, 2 m	IM30-15NNS-ZW1	6020283
				Male connector M12, 4-pin	IM30-15NNS-ZC1	6020287
		PNP	NC	Cable, 3-wire, 2 m	IM30-15NPO-ZW1	6020284
				Cable, 3-wire, 2 m	IM30-15NPS-ZW1	6020282
			NO	Cable, 3-wire, 5 m	IM30-15NPS-ZWB	6012039
				Male connector M12, 4-pin	IM30-15NPS-ZC1	6020286
20 mm	Standard	NPN	NO	Cable, 3-wire, 2 m	IM30-20NNS-ZW1	7900154
				Male connector M12, 4-pin	IM30-20NNS-ZC1	7900158
		PNP	NC	Cable, 3-wire, 2 m	IM30-20NPO-ZW1	7900155
				Male connector M12, 4-pin	IM30-20NPO-ZC1	7900159
			NO	Cable, 3-wire, 2 m	IM30-20NPS-ZW1	7900153
				Male connector M12, 4-pin	IM30-20NPS-ZC1	7900157

- **Sub product family:** IM30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
10 mm	Standard	NO	Cable, 2-wire, 2 m	IM30-10BDS-ZW1	6020326
			Male connector M12, 4-pin	IM30-10BDS-ZC1	6020328

- **Sub product family:** IM30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
15 mm	Standard	NO	Cable, 2-wire, 2 m	IM30-15NDS-ZW1	6020330
			Male connector M12, 4-pin	IM30-15NDS-ZC1	6020332

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our 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 us a reliable supplier and development partner.

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

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