



IME

The economic standard for use in industrial environments

SICK
Sensor Intelligence.



Technical data overview

Housing	Metric
Thread size	M8 x 1 M8 x 1.6g M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 38 mm (depending on type)
Electrical wiring	DC 3-wire DC 2-wire DC 4-wire (depending on type)
Housing material	Brass / Stainless steel V2A (depending on type)
Enclosure rating	IP67 IP65 (depending on type)
Housing	Metric
Thread size	M8 x 1 M8 x 1.6g M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 38 mm (depending on type)
Electrical wiring	DC 3-wire DC 2-wire DC 4-wire (depending on type)
Housing material	Brass / Stainless steel V2A (depending on type)
Enclosure rating	IP67 IP65 (depending on type)

Product description

SICK's inductive sensors offer precise detection, less downtime and a long service life. The inductive IME 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. IM sensors are completely encapsulated with hotmelt molding, which greatly increases shock and vibration resistance. The customer benefits from high positioning accuracy in the machine and long-term reliability.

At a glance

- Types: M8 to M30
- Extended sensing ranges: 1.5 mm to 38 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

- High machine availability thanks to rugged design
- Highly cost-efficient thanks to low purchase costs
- Wide selection available thanks to extensive standard portfolio
- High positioning accuracy thanks to precise switching behavior

Ordering information

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

- **Sub product family:** IME08
- **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	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2S	1040852
				Connector M8, 3-pin	IME08-1B5NOZT0S	1040850
			NO	Cable, 3-wire, 2 m	IME08-1B5NSZW2S	1040848
				Cable, 3-wire, 5 m	IME08-1B5NSZW5S	1043555
				Connector M8, 3-pin	IME08-1B5NSZT0S	1040846
		PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2S	1040844
				Connector M8, 3-pin	IME08-1B5POZT0S	1040842
			NO	Cable, 3-wire, 2 m	IME08-1B5PSZW2S	1040840
				Connector M8, 3-pin	IME08-1B5PSZT0S	1040838
				Male connector M12, 4-pin	IME08-1B5PSVC0S	1051740
					IME08-1B5PSVC0SS25	1055198
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2K	1040851
				Connector M8, 3-pin	IME08-1B5NOZT0K	1040849
			NO	Cable, 3-wire, 0.6 m	IME08-1B5NSZUDKS40	1067788
				Cable, 3-wire, 2 m	IME08-1B5NSZU2K	1044449
					IME08-1B5NSZW2K	1040847
				Connector M8, 3-pin	IME08-1B5NSZT0K	1040845
		PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2K	1040843
				Connector M8, 3-pin	IME08-1B5POZT0K	1040841
			NO	Cable with connector M8, 3-pin, 0.4 m	IME08-1B5PSZUDKS60	1139526
				Cable, 3-wire, 2 m	IME08-1B5PSZW2K	1040839
				Cable, 3-wire, 6 m	IME08-1B5PSZUDKS31	1061643
					IME08-1B5PSZUDKS36	1064498
				Connector M8, 3-pin	IME08-1B5PSZT0K	1040837
					IME08-1B5PSZT0KS44	1091110

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
1 mm	Short-body	PNP	NO	Cable with Wuerth connector, 3-pin (688003113322), 230 mm	IME08-01BPSZWDKS27	1058685
				Cable with Wuerth connector, 3-pin (688003113322), 450 mm	IME08-01BPSZWDKS28	1058686
				Cable with Tyco male connector, 3-pin, 450 mm	IME08-01BPSZWDKS29	1058687
2 mm	Standard design	NPN	NC	Cable, 3-wire, 10 m	IME08-02BNOZW6S	1044816
				Cable, 3-wire, 2 m	IME08-02BNOZW2S	1040884
				Cable, 3-wire, 5 m	IME08-02BNOZW5S	1044815
				Connector M8, 3-pin	IME08-02BNOZTOS	1040882
			NO	Cable, 3-wire, 2 m	IME08-02BNSZU2S	1046451
					IME08-02BNSZW2S	1040880
				Cable, 3-wire, 3 m	IME08-02BNSZW3SS55	1104244
				Cable, 3-wire, 5 m	IME08-02BNSZW5S	1138730
				Connector M8, 3-pin	IME08-02BNSZTOS	1040878
				Cable with AMP male connector, 3-pin, 200 mm	IME08-02BNSZWDSS59	1115033
2 mm	Standard design	NPN	NO	Male connector M12, 4-pin	IME08-02BNSZC0S	1051127
		PNP	NC	Cable, 3-wire, 2 m	IME08-02BPOZW2S	1040876
				Connector M8, 3-pin	IME08-02BPOVT0SS08	1048214
					IME08-02BPOVT0SS18	1053132
					IME08-02BPOZTOS	1040874
				Male connector M12, 4-pin	IME08-02BPOZC0S	1051207
			NO	Cable with connector M8, 4-pin, with knurled nuts, 2 m	IME08-02BPSZR2S	1102562
				Cable, 3-wire, 2 m	IME08-02BPSZW2S	1040872
				Cable, 3-wire, 3.1 m	IME08-02BPSZWDSS06	1047608
				Cable, 3-wire, 5 m	IME08-02BPSZW5S	1043966

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
	Short-body			Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462
					IME08-02BPSVT0SS17	1053131
					IME08-02BPSZT0S	1040870
				Male connector M12, 4-pin	IME08-02BPSZC0S	1051205
		NPN	NC	Cable, 3-wire, 2 m	IME08-02BNOZW2K	1040883
				Connector M8, 3-pin	IME08-02BNOZT0K	1040881
			NO	Cable, 3-wire, 0.6 m	IME08-02BNSZUDKS39	1067744
				Cable, 3-wire, 2 m	IME08-02BNSZW2K	1040879
				Cable, 3-wire, 3 m	IME08-02BNSZU3K	1072466
				Connector M8, 3-pin	IME08-02BNSZT0K	1040877
					IME08-02BNSZT0KS09	1048437
			NC	Cable, 3-wire, 2 m	IME08-02BPOZW2K	1040875
				Cable, 3-wire, 3 m	IME08-02BPOZW3K	1084271
				Cable, 3-wire, 5 m	IME08-02BPOZW5K	1047423
				Connector M8, 3-pin	IME08-02BPOZT0K	1040873
			NO	Cable with M12 male connector, 4-pin, 0.5 m	IME08-02BPSZQDKS51	1100011
				Cable, 3-wire, 2 m	IME08-02BPSZW2K	1040871
					IME08-02BPSZW2KS68	1114609
				Cable, 3-wire, 5 m	IME08-02BPSZW5K	1047424
				Connector M8, 3-pin	IME08-02BPSZT0K	1040869
		PNP	NC	Cable, 3-wire, 2 m	IME08-02BPOZW2K	1040875
				Cable, 3-wire, 3 m	IME08-02BPOZW3K	1084271
				Cable, 3-wire, 5 m	IME08-02BPOZW5K	1047423
				Connector M8, 3-pin	IME08-02BPOZT0K	1040873
			NO	Cable with M12 male connector, 4-pin, 0.5 m	IME08-02BPSZQDKS51	1100011
				Cable, 3-wire, 2 m	IME08-02BPSZW2K	1040871
			NO	Cable, 3-wire, 2 m	IME08-02BPSZW2KS68	1114609
				Cable, 3-wire, 5 m	IME08-02BPSZW5K	1047424
			NO	Cable, 3-wire, 5 m	IME08-02BPSZW5K	1047424
				Connector M8, 3-pin	IME08-02BPSZT0K	1040869

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **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.
2.5 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME08-2N5N0ZW2S	1040868
					Connector M8, 3-pin	IME08-2N5N0ZT0S	1040866
			NO	–	Cable, 3-wire, 2 m	IME08-2N5NSZW2S	1040864
					Connector M8, 3-pin	IME08-2N5NSZT0S	1040862
		PNP	NC	–	Cable, 3-wire, 2 m	IME08-2N5P0ZW2S	1040860
					Connector M8, 3-pin	IME08-2N5P0ZT0S	1040858
			NO	–	Cable, 3-wire, 2 m	IME08-2N5PSZW2S	1040856
					Connector M8, 3-pin	IME08-2N5PSZT0S	1040854
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME08-2N5N0ZW2K	1040867
					Connector M8, 3-pin	IME08-2N5N0ZT0K	1040865
			NO	–	Cable, 3-wire, 2 m	IME08-2N5NSZW2K	1040863
					Connector M8, 3-pin	IME08-2N5NSZT0K	1040861
		PNP	NC	–	Cable, 3-wire, 2 m	IME08-2N5P0ZW2K	1040859
					Connector M8, 3-pin	IME08-2N5P0ZT0K	1040857
			NO	–	Cable, 3-wire, 2 m	IME08-2N5PSZW2K	1040855
					Cable, 3-wire, 5 m	IME08-2N5PSZW5K	1045368
4 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME08-04NNOZW2S	1040900
					Cable, 3-wire, 3 m	IME08-04NNOZW3S	1111496
4 mm	Standard design	NPN	NC	–	Connector M8, 3-pin	IME08-04NNOZT0S	1040898
			NO	–	Cable, 3-wire, 2 m	IME08-04NNSZW2S	1040896
					Cable, 3-wire, 3 m	IME08-04NNSZW3S	1111495
					Connector M8, 3-pin	IME08-04NNSZT0S	1040894

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
		PNP	NC	–	Cable, 3-wire, 2 m	IME08-04NPOZW2S	1040892
					Connector M8, 3-pin	IME08-04NPOVT0SS20	1053134
						IME08-04NPOZT0S	1040890
					Male connector M12, 4-pin	IME08-04NPOZC0S	1051208
		NO	–	Cable with MOLEX-connector 43020-0409, 0.1 m	IME08-04NPSZW2SS50	1097796	
				Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME08-04NPSZRDSS02	1043843	

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
	Short-body				Cable, 3-wire, 2 m	IME08-04NPSZW2S	1040888
					Cable, 3-wire, 6 m	IME08-04NPSZUDSS56	1106485
					Connector M8, 3-pin	IME08-04NPSVT0SS19	1053133
						IME08-04NPSZT0S	1040886
						IME08-04NPSZT0SS58	1109930
					Male connector M12, 4-pin	IME08-04NPSZC0S	1051209
		NPN	NC	–	Cable, 3-wire, 2 m	IME08-04NNOZW2K	1040899
					Connector M8, 3-pin	IME08-04NNOZT0K	1040897
			NO	–	Cable, 3-wire, 2 m	IME08-04NNSZW2K	1040895
					Cable, 3-wire, 3 m	IME08-04NNSZW3K	1055977
					Cable, 3-wire, 5 m	IME08-04NNSZW5K	1098179
					Connector M8, 3-pin	IME08-04NNSZT0K	1040893
			NC	–	Cable, 3-wire, 10 m	IME08-04NPOZW6K	1053957
					Cable, 3-wire, 2 m	IME08-04NPOZW2K	1040891
					Cable, 3-wire, 5 m	IME08-04NPOZW5K	1053956
					Connector M8, 3-pin	IME08-04NPOZT0K	1040889
			NO	–	Cable, 3-wire, 2 m	IME08-04NPSZW2K	1040887
					Cable, 3-wire, 5 m	IME08-04NPSZW5K	1050046
					Connector M8, 3-pin	IME08-04NPSZT0K	1040885
						IME08-04NPSZT0KS07	1047752
5 mm	Standard design	PNP	NO	–	Connector M8, 3-pin	IME08-05NPSZT0SS01	1042961

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
6 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2S	1071207
					Connector M8, 3-pin	IME08-06NNOZT0S	1071211
					Male connector M12, 4-pin	IME08-06NNOZC0S	1072570
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNSZW2S	1071206
					Connector M8, 3-pin	IME08-06NNSZT0S	1071210
					Male connector M12, 4-pin	IME08-06NNSZC0S	1072569
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPOZW2S	1071205
					Connector M8, 3-pin	IME08-06NPOZT0S	1071209
					Male connector M12, 4-pin	IME08-06NPOZC0S	1071213
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPSZW2S	1071204
					Connector M8, 3-pin	IME08-06NPSZT0S	1071208
					Male connector M12, 4-pin	IME08-06NPSZC0S	1071212
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2K	1071199
					Connector M8, 3-pin	IME08-06NNOZT0K	1071203
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNSZW2K	1071198
					Connector M8, 3-pin	IME08-06NNSZT0K	1071202
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPOZW2K	1071196
					Connector M8, 3-pin	IME08-06NPOZT0K	1071201
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPSZW2K	1071195
					Connector M8, 3-pin	IME08-06NPSZT0K	1071200

- **Sub product family:** IME08
- **Cylindrical thread design:** M8 x 1 6g
- **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	Standard design	PNP	NO	Male connector M12, 4-pin	IME08-1B5PSVC0SS15	1052641

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
3 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2S	1074045
					Connector M8, 3-pin	IME08-03BNOZTOS	1074026

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
			NO	Triple sensing range	Male connector M12, 4-pin	IME08-03BNOZC0S	1074033
					Cable, 3-wire, 2 m	IME08-03BNSZW2S	1074044
					Connector M8, 3-pin	IME08-03BNSZT0S	1073663
					Male connector M12, 4-pin	IME08-03BNSZC0S	1074031
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2S	1074043
					Connector M8, 3-pin	IME08-03BPOZT0S	1073662
					Male connector M12, 4-pin	IME08-03BPOZC0S	1074030
			NO	Triple sensing range	Cable with connector M12, 8-pin, with knurled nut, 0.9 m	IME08-03BPSZQDSS70	1128535
					Cable with connector M12, 8-pin, with knurled nut, 1.5 m	IME08-03BPSZQDSS71	1128538
					Cable, 3-wire, 2 m	IME08-03BPSZW2S	1074042
					Connector M8, 3-pin	IME08-03BPSZT0S	1073457
					Male connector M12, 4-pin	IME08-03BPSZC0S	1074029
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2K	1074035
					Connector M8, 3-pin	IME08-03BNOZT0K	1074041
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2K	1074009
					Connector M8, 3-pin	IME08-03BNSZT0K	1074040
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2K	1074008
					Connector M8, 3-pin	IME08-03BPOZT0K	1074038
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPSZW2K	1074007
					Connector M8, 3-pin	IME08-03BPSZT0K	1074037

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
4 mm	Standard design	NPN	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNOZW2S	1086324
					Connector M8, 3-pin	IME08-04BNOZT0S	1086328
			NO	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNSZW2S	1086323
					Connector M8, 3-pin	IME08-04BNSZT0S	1086327
		PNP	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BPOZW2S	1086321
					Connector M8, 3-pin	IME08-04BPOZT0S	1086326
			NO	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BPSZW2S	1079510
					Connector M8, 3-pin	IME08-04BPSZT0S	1086325

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 2 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME08-02BD0ZY2S	1068250
		Connector M8, 3-pin	IME08-02BD0ZT0S	1067108
	NO	Cable, 2-wire, 2 m	IME08-02BDSZY2S	1068251
		Connector M8, 3-pin	IME08-02BDSZT0S	1067109
Short-body	NC	Cable, 2-wire, 2 m	IME08-02BD0ZY2K	1109633
	NO	Cable, 2-wire, 2 m	IME08-02BDSZY2K	1070432

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 4 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME08-04ND0ZY2S	1068252
	Connector M8, 3-pin	IME08-04ND0ZT0S	1067197
NO	Cable, 2-wire, 2 m	IME08-04NDSZY2S	1068253
	Connector M8, 3-pin	IME08-04NDSZT0S	1067177

- **Sub product family:** IME12
- **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	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME12-02BNOZW2S	1040746
				Male connector M12, 4-pin	IME12-02BNOZC0S	1040743
			NO	Cable, 3-wire, 2 m	IME12-02BNSZW2S	1040742
				Male connector M12, 4-pin	IME12-02BNSZC0S	1040740
		PNP	NC	Cable, 3-wire, 2 m	IME12-02BPOZW2S	1040738
				Male connector M12, 4-pin	IME12-02BPOZC0S	1040736
			NO	Cable, 3-wire, 10 m	IME12-02BPSZW6S	1052248
				Cable, 3-wire, 2 m	IME12-02BPSZW2S	1040734

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
					IME12-02BPSZW2SS70	1114909
				Cable, 3-wire, 3 m	IME12-02BPSZU3S	1043108
				Cable, 3-wire, 5 m	IME12-02BPSZW5S	1046726
				Cable, 3-wire, 6 m	IME12-02BPSZWDSS04	1043384
				Cable, 3-wire, 8 m	IME12-02BPSZWDSS02	1042861
				Male connector M12, 4-pin	IME12-02BPSZC0S	1040732
		NPN	NC	Cable, 3-wire, 2 m	IME12-02BNOZW2K	1040745
					IME12-02BNOZW2KS16	1045051
				Male connector M12, 4-pin	IME12-02BNOZC0K	1040744
			NO	Cable, 3-wire, 2 m	IME12-02BNSZW2K	1040741
					IME12-02BNSZW2KS14	1044939
					IME12-02BNSZW2KS15	1045050
				Male connector M12, 4-pin	IME12-02BNSZC0K	1040739
			NC	Cable, 3-wire, 2 m	IME12-02BPOZW2K	1040737
				Male connector M12, 4-pin	IME12-02BPOZC0K	1040735
			NO	Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME12-02BPSZR9K	1090477
				Cable, 3-wire, 10 m	IME12-02BPSZW6K	1051993
				Cable, 3-wire, 2 m	IME12-02BPSZW2K	1040733
				Cable, 3-wire, 5 m	IME12-02BPSZW5K	1042724
				Male connector M12, 4-pin	IME12-02BPSZC0K	1040731
3.2 mm	Standard design	PNP	NC	Male connector M12, 4-pin	IME12-3B2POZC0SS28	1056197
4 mm	Standard design	NPN	NC	Cable, 3-wire, 10 m	IME12-04BNOZW6S	1044830
				Cable, 3-wire, 2 m	IME12-04BNOZW2S	1040778
				Cable, 3-wire, 5 m	IME12-04BNOZW5S	1044829

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
			NO	Male connector M12, 4-pin	IME12-04BNOZC0S	1040776
				Cable, 3-wire, 2 m	IME12-04BNSZW2S	1040774
					IME12-04BNSZW2SS34	1063528
				Cable, 3-wire, 5 m	IME12-04BNSZW5S	1044612
				Cable, 3-wire, 6 m	IME12-04BNSZWDSS12	1044599
				Male connector M12, 4-pin	IME12-04BNSZC0S	1040772
			NC	Cable with M12 male connector, 4-pin, 0.6 m	IME12-04BPOZQDSS52	1090475
				Cable, 3-wire, 2 m	IME12-04BPOZW2S	1040770
				Cable, 3-wire, 8 m	IME12-04BPOZWDS	1057405
				Male connector M12, 4-pin	IME12-04BPOZC0S	1040768
					IME12-04BPOZC0SS01	1042579
			NO	Cable, 3-wire, 2 m	IME12-04BPSVW2S	1051424
					IME12-04BPSZW2S	1040766
				Cable, 3-wire, 3 m	IME12-04BPSZU3S	1042626
				Cable, 3-wire, 4 m	IME12-04BPSVWDS	1043110
				Cable, 3-wire, 5 m	IME12-04BPSZW5S	1043329
				Cable, 3-wire, 8 m	IME12-04BPSZWDs	1057403
				Male connector M12, 4-pin	IME12-04BPSZC0S	1040764
					IME12-04BPSZC0SS71	1115941
			NC	Cable, 3-wire, 2 m	IME12-04BNOZW2K	1040777
4 mm	Short-body	NPN	NC	Male connector M12, 4-pin	IME12-04BNOZC0K	1040775
			NO	Cable, 3-wire, 2.5 m	IME12-04BNSZWDK	1060014
				Cable, 3-wire, 2 m	IME12-04BNSZW2K	1040773
				Cable, 3-wire, 4 m	IME12-04BNSVWDK	1044353
				Cable, 3-wire, 5 m	IME12-04BNSZW5K	1052062
				Male connector M12, 4-pin	IME12-04BNSZC0K	1040771
					IME12-04BNSZC0KS35	1063529
		PNP	NC	Cable, 3-wire, 2 m	IME12-04BPOZW2K	1040769
				Connector M8, 3-pin	IME12-04BPOZT0K	1074637
				Male connector M12, 4-pin	IME12-04BPOZC0K	1040767

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
			NO	Cable with M12 male connector, 4-pin, 150 mm	IME12-04BPSZQDK	1056892
				Cable, 3-wire, 0.5 m	IME12-04BPSZWDP02	1049021
				Cable, 3-wire, 10 m	IME12-04BPSZW6K	1060824
					IME12-04BPSZW6KS56	1093752
				Cable, 3-wire, 1 m	IME12-04BPSZUDKS37	1065145
					IME12-04BPSZW1KP03	1049107
				Cable, 3-wire, 2.5 m	IME12-04BPSZWDKS30	1060015
					IME12-04BPSZU2KS67	1114608
				Cable, 3-wire, 2 m	IME12-04BPSZW2K	1040765
					IME12-04BPSZU3K	1042735
				Cable, 3-wire, 3 m	IME12-04BPSZU5KS69	1114610
					IME12-04BPSZW5K	1044448
				Connector M8, 3-pin	IME12-04BPSZT0K	1042973
					IME12-04BPSZT0KP01	1046196
					IME12-04BPSZT0KS08	1044447
					IME12-04BPSZT0KS17	1046007
				Male connector M12, 4-pin	IME12-04BPSVC0K	1065021
					IME12-04BPSZC0K	1040763
					IME12-04BPSZC0KS21	1051971
					IME12-04BPSZC0KS41	1068239

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **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.
10 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2S	1071241
					Male connector M12, 4-pin	IME12-10NNOZC0S	1071245
			NO	Triple sensing range	Cable with M12 male connector, 4-pin, 50 mm	IME12-10NNSZQDS	1099920
					Cable, 3-wire, 2 m	IME12-10NNSZW2S	1071240
					Male connector M12, 4-pin	IME12-10NNSZC0S	1071244
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPOZW2S	1071239
					Male connector M12, 4-pin	IME12-10NPOZC0S	1071243
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPSZW2S	1071238
					Male connector M12, 4-pin	IME12-10NPSZC0S	1071242
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2K	1071233
					Male connector M12, 4-pin	IME12-10NNOZC0K	1071237
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNSZW2K	1071236
					Male connector M12, 4-pin	IME12-10NNSZC0K	1071232
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPOZW2K	1071231
					Male connector M12, 4-pin	IME12-10NPOZC0K	1071235
			NO	Triple sensing range	Cable with M12 male connector, 4-pin, 0.3 m	IME12-10NPSZQ9KS72	1122230
					Cable, 3-wire, 2 m	IME12-10NPSZW2K	1071230
					Male connector M12, 4-pin	IME12-10NPSZC0K	1071234
4 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME12-04NNOZW2S	1040762
					Male connector M12, 4-pin	IME12-04NNOZC0S	1040760
			NO	–	Cable, 3-wire, 2 m	IME12-04NNSZW2S	1040757

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
		PNP	NC	–	Male connector M12, 4-pin	IME12-04NNSZC0S	1040756
					Cable, 3-wire, 10 m	IME12-04NPOZU6S	1043926
					Cable, 3-wire, 2 m	IME12-04NPOZW2S	1040754
					Male connector M12, 4-pin	IME12-04NPOZC0S	1040752
		NO		–	Cable, 3-wire, 10 m	IME12-04NPSZU6S	1043256
					Cable, 3-wire, 2 m	IME12-04NPSZW2S	1040750
					Cable, 3-wire, 5 m	IME12-04NPSZW5S	1043383
					Cable, 3-wire, 8 m	IME12-04NPSZWDSS03	1042862
					Male connector M12, 4-pin	IME12-04NPSVC0S	1058759
						IME12-04NPSZC0S	1040748
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME12-04NNOZW2K	1040761
					Male connector M12, 4-pin	IME12-04NNOZC0K	1040759
			NO	–	Cable, 3-wire, 2 m	IME12-04NNSZW2K	1040758
					Cable, 3-wire, 3 m	IME12-04NNSZW3K	1084999
					Male connector M12, 4-pin	IME12-04NNSZC0K	1040755
		PNP	NC	–	Cable, 3-wire, 2 m	IME12-04NPOZW2K	1040753
					Male connector M12, 4-pin	IME12-04NPOZC0K	1040751
			NO	–	Cable, 3-wire, 2 m	IME12-04NPSZU2K	1050977
						IME12-04NPSZW2K	1040749
					Cable, 3-wire, 5 m	IME12-04NPSZW5K	1042725
					Male connector M12, 4-pin	IME12-04NPSVC0KS09	1044005
						IME12-04NPSZC0K	1040747
8 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME12-08NNOZW2S	1040793
					Male connector M12, 4-pin	IME12-08NNOZC0S	1040826
			NO	–	Cable, 3-wire, 2 m	IME12-08NNSZW2S	1040790
					Male connector M12, 4-pin	IME12-08NNSZC0S	1040788
		PNP	NC	–	Cable with M12 male	IME12-08NPOZQDSS53	1090476

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
					connector, 4-pin, 0.8 m		
					Cable, 3-wire, 2 m	IME12-08NPOZW2S	1040786
					Cable, 3-wire, 6 m	IME12-08NPOZW6S	1052158
					Male connector M12, 4-pin	IME12-08NPOZC0S	1040784
			NO	–	Cable with MOLEX-connector 43020-0409, 0.1 m	IME12-08NPSZWSS61	1101193
					Cable, 3-wire, 2 m	IME12-08NPSZW2S	1040782
					Cable, 3-wire, 5 m	IME12-08NPSZW5S	1047147
					Cable with Tyco male connector, 3-pin, 450 mm	IME12-08NPSZWSS49	1079641
					Male connector M12, 4-pin	IME12-08NPSZC0S	1040780
						IME12-08NPSZC0SS57	1093992
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME12-08NNOZW2K	1040792
					Male connector M12, 4-pin	IME12-08NNOZC0K	1040791
			NO	–	Cable, 3-wire, 2 m	IME12-08NNSZW2K	1040789
					Male connector M12, 4-pin	IME12-08NNSZC0K	1040787
		PNP	NC	–	Cable, 3-wire, 2 m	IME12-08NPOZW2K	1040785
					Cable, 3-wire, 5 m	IME12-08NPOZW5K	1118192
					Male connector M12, 4-pin	IME12-08NPOZC0K	1040783
			NO	–		IME12-08NPOZC0KS64	1109923
					Cable, 3-wire, 10 m	IME12-08NPSZW6K	1044861
					Cable, 3-wire, 2 m	IME12-08NPSZW2K	1040781
					Male connector M12, 4-pin	IME12-08NPSZC0K	1040779

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary
- **Connection type:** male connector M12, 4-pin

Sensing range S_n	Housing	Type	Part no.
4 mm	Short-body	IME12-04NPPZCOK	1043660
8 mm	Standard design	IME12-08NPPZCOS	1060464

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Sensing range S_n :** 4 mm
- **Switching output:** PNP
- **Output function:** Complementary

Housing	Connection type	Type	Part no.
Standard design	Male connector M12, 4-pin	IME12-04BPPZCOS	1060232
Short-body	Cable, 4-wire, 2 m	IME12-04BPPZW2K	1056423
	Cable, 4-wire, 5 m	IME12-04BPPZW5K	1064560
	Male connector M12, 4-pin	IME12-04BPPZCOK	1060546

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n :** 6 mm
- **Special features:** triple sensing range

Housing	Switching output	Output function	Connection type	Type	Part no.
Standard design	NPN	NC	Cable, 3-wire, 2 m	IME12-06BNOZW2S	1071225
			Male connector M12, 4-pin	IME12-06BNOZCOS	1071229
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2S	1071224
			Male connector M12, 4-pin	IME12-06BNSZCOS	1071228
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2S	1071223
			Male connector M12, 4-pin	IME12-06BPOZCOS	1071227
		NO	Cable, 3-wire, 2 m	IME12-06BPSZW2S	1071222
			Male connector M12, 4-pin	IME12-06BPSZCOS	1071226

Housing	Switching output	Output function	Connection type	Type	Part no.
Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-06BNOZW2K	1071217
			Male connector M12, 4-pin	IME12-06BNOZC0K	1071221
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2K	1071216
			Male connector M12, 4-pin	IME12-06BNSZC0K	1071220
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2K	1071215
			Male connector M12, 4-pin	IME12-06BPOZC0K	1071219
		NO	Cable with connector M8, 3-pin, 0.2 m	IME12-06BPSZP8KS74	1142535
			Cable, 3-wire, 2 m	IME12-06BPSZW2K	1071214
			Cable, 3-wire, 3 m	IME12-06BPSZW3K	1092616
			Cable, 3-wire, 5 m	IME12-06BPSZW5K	1088039
			Cable, 3-wire, 7 m	IME12-06BPSZWDK	1095533
			Male connector M12, 4-pin	IME12-06BPSZC0K	1071218

- **Sub product family:** IME12
- **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 design	NO	Cable, 2-wire, 2 m	IME12-02BDSZY2S	1069022
4 mm	Standard design	NC	Cable, 2-wire, 2 m	IME12-04BD0ZY2S	1068254
			Male connector M12, 4-pin	IME12-04BD0ZC0S	1067200
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME12-04BDSZQ9S	1068718
			Cable, 2-wire, 2 m	IME12-04BDSZY2S	1068255
			Male connector M12, 4-pin	IME12-04BDSZC0S	1067178
	Short-body	NC	Cable, 2-wire, 2 m	IME12-04BD0ZY2K	1109634
		NO	Cable, 2-wire, 2 m	IME12-04BDSZY2K	1072274

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 8 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME12-08NDOZY2S	1068256
	Male connector M12, 4-pin	IME12-08NDOZC0S	1067203
NO	Cable, 2-wire, 2 m	IME12-08NDSZY2S	1068257
	Cable, 2-wire, 3 m	IME12-08NDSZY3S	1093042
	Male connector M12, 4-pin	IME12-08NDSZC0S	1067180

- **Sub product family:** IME18
- **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	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2S	1040948
				Cable, 3-wire, 5 m	IME18-05BNOZW5S	1048309
				Male connector M12, 4-pin	IME18-05BNOZC0S	1040946

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
			NO	Cable, 3-wire, 2 m	IME18-05BNSZW2S	1040944
				Male connector M12, 4-pin	IME18-05BNSZC0S	1040942
		PNP	NC	Cable, 3-wire, 2 m	IME18-05BPOZW2S	1040940
				Cable, 3-wire, 5 m	IME18-05BPOZW5S	1048308
				Male connector M12, 4-pin	IME18-05BPOZC0S	1040938
			NO	Cable, 3-wire, 10 m	IME18-05BPSZW6S	1044903
				Cable, 3-wire, 2 m	IME18-05BPSZW2S	1040936
				Cable, 3-wire, 5 m	IME18-05BPSZW5S	1046725
				Male connector M12, 4-pin	IME18-05BPSZC0S	1040934
		Short-body	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2K	1040947
				Male connector M12, 4-pin	IME18-05BNOZC0K	1040945
			NO	Cable, 3-wire, 2 m	IME18-05BNSZW2K	1040943
				Cable, 3-wire, 3 m	IME18-05BNSZW3K	1047511
				Male connector M12, 4-pin	IME18-05BNSZC0K	1040941
			NC	Cable, 3-wire, 2 m	IME18-05BPOZW2K	1040939
				Cable, 3-wire, 5 m	IME18-05BPOZW5K	1043474
				Male connector M12, 4-pin	IME18-05BPOZC0K	1040937
			NO	Cable, 3-wire, 2 m	IME18-05BPSZW2K	1040935
				Cable, 3-wire, 5 m	IME18-05BPSZW5K	1042722
				Male connector M12, 4-pin	IME18-05BPSZC0K	1040933
8 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2S	1040980
8 mm	Standard design	NPN	NC	Male connector M12, 4-pin	IME18-08BNOZC0S	1040978
			NO	Cable with AMP Superseal male connector, socket housing, 3-pin, 5 m	IME18-08BNSZW5SS39	1140828
				Cable with Deutsch DT04-3P male connector, 3-pin, 0.3 m	IME18-08BNSZU9SS35	1126848
				Cable, 3-wire, 2 m	IME18-08BNSZW2S	1040976
				Cable, 3-wire, 5 m	IME18-08BNSZW5S	1044613
				Male connector M12, 4-pin	IME18-08BNSZC0S	1040974
		PNP	NC	Cable, 3-wire, 2 m	IME18-08BPOZW2S	1040972
				Male connector M12, 4-pin	IME18-08BPOZC0S	1040970
					IME18-08BPOZC0SS12	1051973

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 1 m	IME18-08BPSZU1SS37	1135559
				Cable, 3-wire, 2 m	IME18-08BPSZW2S	1040968
				Cable, 3-wire, 5 m	IME18-08BPSZW5S	1048156
				Male connector M12, 4-pin	IME18-08BPSZC0S	1040966
					IME18-08BPSZC0SS11	1051972
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2K	1040979
				Male connector M12, 4-pin	IME18-08BNOZC0K	1040977
			NO	Cable, 3-wire, 2 m	IME18-08BNSZW2K	1040975
				Cable, 3-wire, 3 m	IME18-08BNSZW3K	1054020
				Male connector M12, 4-pin	IME18-08BNSZC0K	1040973
		PNP	NC	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BPOZQ9K	1084644
				Cable, 3-wire, 2 m	IME18-08BPOZW2K	1040971
				Cable, 3-wire, 3 m	IME18-08BPOZW3K	1054086
				Cable, 3-wire, 5 m	IME18-08BPOZW5K	1044534
				Male connector M12, 4-pin	IME18-08BPOZC0K	1040969
			NO	Cable with M12 male connector, 4-pin, 300 mm	IME18-08BPSZQ9KS25	1081180
				Cable, 3-wire, 2 m	IME18-08BPSZW2K	1040967
				Cable, 3-wire, 3 m	IME18-08BPSZW3K	1054018
				Cable, 3-wire, 5 m	IME18-08BPSZW5K	1122599
				Male connector M12, 4-pin	IME18-08BPSZC0K	1040965
					IME18-08BPSZC0KS22	1068857

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary

Sensing range S_n	Housing	Connection type	Type	Part no.
5 mm	Standard design	Male connector M12, 4-pin	IME18-05BPPZC0S	1046743
	Short-body	Male connector M12, 4-pin	IME18-05BPPZC0K	1092476
8 mm	Standard design	Cable, 4-wire, 15 m	IME18-08BPPZWDSS21	1067897
		Male connector M12, 4-pin	IME18-08BPPZC0S	1056708
	Short-body	Male connector M12, 4-pin	IME18-08BPPZC0K	1089009

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **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.
12 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME18-12NNOZW2S	1040996
					Male connector M12, 4-pin	IME18-12NNOZC0S	1040994
			NO	–	Cable, 3-wire, 2 m	IME18-12NNSZW2S	1040992
					Male connector M12, 4-pin	IME18-12NNSZC0S	1040990
		PNP	NC	–	Cable, 3-wire, 2 m	IME18-12NPOZW2S	1040988
					Male connector M12, 4-pin	IME18-12NPOZC0S	1040986
			NO	–	Cable, 3-wire, 2 m	IME18-12NPSVW2S	1065020
						IME18-12NPSZW2S	1040984
					Cable, 3-wire, 5 m	IME18-12NPSZW5S	1048365
					Male connector M12, 4-pin	IME18-12NPSZC0S	1040982
						IME18-12NPSZC0SS33	1114517
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME18-12NNOZW2K	1040995
					Male connector M12, 4-pin	IME18-12NNOZC0K	1040993
			NO	–	Cable, 3-wire, 2 m	IME18-12NNSZW2K	1040991
					Male connector M12, 4-pin	IME18-12NNSZC0K	1040989
		PNP	NC	–	Cable, 3-wire, 2 m	IME18-12NPOZW2K	1040987
					Male connector M12, 4-pin	IME18-12NPOZC0K	1040985
			NO	–	Cable, 3-wire, 2 m	IME18-12NPSZW2K	1040983
					Male connector M12, 4-pin	IME18-12NPSZC0K	1040981

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
20 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNOZW2S	1071276
					Male connector M12, 4-pin	IME18-20NNOZC0S	1071280
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNSZW2S	1071275
					Male connector M12, 4-pin	IME18-20NNSZC0S	1071279
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPOZW2S	1071274
					Male connector M12, 4-pin	IME18-20NPOZC0S	1071278
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPSZW2S	1071273
					Male connector M12, 4-pin	IME18-20NPSZC0S	1071277
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNOZW2K	1071268
					Male connector M12, 4-pin	IME18-20NNOZC0K	1071272
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NNSZW2K	1071267
					Male connector M12, 4-pin	IME18-20NNSZC0K	1071271
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPOZW2K	1071265
					Male connector M12, 4-pin	IME18-20NPOZC0K	1071270
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPSZW2K	1071264
					Cable, 3-wire, 5 m	IME18-20NPSZW5K	1101098
					Male connector M12, 4-pin	IME18-20NPSZC0K	1071269
8 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME18-08NNOZW2S	1040964

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
			NO	–	Male connector M12, 4-pin	IME18-08NNOZC0S	1040962
					Cable, 3-wire, 2 m	IME18-08NNSZW2S	1040960
					Cable, 3-wire, 6 m	IME18-08NNSZWDSS06	1044601
					Male connector M12, 4-pin	IME18-08NNSZC0S	1040958
		PNP	NC	–	Cable, 3-wire, 2 m	IME18-08NPOZW2S	1040956
					Cable, 3-wire, 5 m	IME18-08NPOZW5S	1049098
					Male connector M12, 4-pin	IME18-08NPOZC0S	1040954
			NO	–	Cable, 3-wire, 2 m	IME18-08NPSZW2S	1040952
					Cable, 3-wire, 5 m	IME18-08NPSZW5S	1046875
					Connector M8, 3-pin	IME18-08NPSZT0S	1068737
					Male connector M12, 4-pin	IME18-08NPSZC0S	1040950
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME18-08NNOZW2K	1040963
					Male connector M12, 4-pin	IME18-08NNOZC0K	1040961
			NO	–	Cable, 3-wire, 2 m	IME18-08NNSZW2K	1040959
					Male connector M12, 4-pin	IME18-08NNSZC0K	1040957
		PNP	NC	–	Cable, 3-wire, 2 m	IME18-08NPOZW2K	1040955
					Male connector M12, 4-pin	IME18-08NPOZC0K	1040953
			NO	–	Cable, 3-wire, 2 m	IME18-08NPSZW2K	1040951
					Cable, 3-wire, 5 m	IME18-08NPSZW5K	1042723
					Male connector M12, 4-pin	IME18-08NPSZC0K	1040949

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary
- **Connection type:** male connector M12, 4-pin

Sensing range S_n	Housing	Special features	Type	Part no.
12 mm	Standard design	–	IME18-12NPPZC0S	1044127
20 mm	Short-body	Triple sensing range	IME18-20NPPZC0K	1096266
8 mm	Standard design	–	IME18-08NPPZC0S	1046894

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Sensing range S_n :** 12 mm

Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2S	1071259
				Male connector M12, 4-pin	IME18-12BNOZC0S	1071263
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNSZW2S	1071258
				Male connector M12, 4-pin	IME18-12BNSZC0S	1071262
	PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2S	1071257
				Male connector M12, 4-pin	IME18-12BPOZC0S	1071261
					IME18-12BPOZC0SS38	1138457
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPSZW2S	1071256
				Male connector M12, 4-pin	IME18-12BPSZC0S	1071260

Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2K	1071249
				Male connector M12, 4-pin	IME18-12BNOZCOK	1071255
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNSZW2K	1071248
				Cable with AMP male connector, 3-pin, 0.99 m	IME18-12BNSZUDKS28	1087502
				Male connector M12, 4-pin	IME18-12BNSZCOK	1071254
	PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2K	1071247
				Male connector M12, 4-pin	IME18-12BPOZCOK	1071253
		NO	–	Cable with M12 male connector, 4-pin, 0.3 m	IME18-12BPSZQ9KS24	1081179
			Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPSZW2K	1071246
				Cable, 3-wire, 3 m	IME18-12BPSZW3K	1092617
				Cable, 3-wire, 5 m	IME18-12BPSZW5K	1088038
				Cable, 3-wire, 7 m	IME18-12BPSZWDK	1095534
				Male connector M12, 4-pin	IME18-12BPSZCOK	1071252

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 8 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME18-08BD0ZY2S	1068258
		Male connector M12, 4-pin	IME18-08BD0ZC0S	1067206
	NO	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BDSZQ9S	1068719
		Cable, 2-wire, 2 m	IME18-08BDSZY2S	1068259
		Male connector M12, 4-pin	IME18-08BDSZC0S	1067207
Short-body	NC	Cable, 2-wire, 2 m	IME18-08BD0ZY2K	1109636
	NO	Cable, 2-wire, 2 m	IME18-08BDSZY2K	1072277

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 12 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME18-12ND0ZY2S	1068260
	Male connector M12, 4-pin	IME18-12ND0ZC0S	1067222
NO	Cable, 2-wire, 2 m	IME18-12NDSZY2S	1068261
	Male connector M12, 4-pin	IME18-12NDSZC0S	1067181

- **Sub product family:** IME30
- **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	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-10BNOZW2S	1041012
				Male connector M12, 4-pin	IME30-10BNOZC0S	1041009
			NO	Cable, 3-wire, 2 m	IME30-10BNSZW2S	1041008
				Cable, 3-wire, 6 m	IME30-10BNSZWDSS06	1044604
				Male connector M12, 4-pin	IME30-10BNSZC0S	1041006
		PNP	NC	Cable, 3-wire, 2 m	IME30-10BPOZW2S	1041004
				Male connector M12, 4-pin	IME30-10BPOZC0S	1041002
			NO	Cable, 3-wire, 2 m	IME30-10BPSZW2S	1041000
				Male connector M12, 4-pin	IME30-10BPSZC0S	1040998
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-10BNOZW2K	1041011
				Male connector M12, 4-pin	IME30-10BNOZC0K	1041010
			NO	Cable, 3-wire, 2 m	IME30-10BNSZW2K	1041007
				Male connector M12, 4-pin	IME30-10BNSZC0K	1041005
		PNP	NC	Cable, 3-wire, 2 m	IME30-10BPOZW2K	1041003
				Male connector M12, 4-pin	IME30-10BPOZC0K	1041001
			NO	Cable, 3-wire, 10 m	IME30-10BPSZW6K	1047654
				Cable, 3-wire, 2 m	IME30-10BPSZW2K	1040999
				Cable, 3-wire, 5 m	IME30-10BPSZW5K	1042720
				Male connector M12, 4-pin	IME30-10BPSZC0K	1040997
12 mm	Standard design	PNP	NC	Male connector M12, 4-pin	IME30-12BPOZC0SS14	1051974
15 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-15BNOZW2S	1041044
				Male connector M12, 4-pin	IME30-15BNOZC0S	1041042
			NO	Cable, 3-wire, 2 m	IME30-15BNSZW2S	1041040

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
				Cable, 3-wire, 5 m	IME30-15BNSZW5S	1044614
				Male connector M12, 4-pin	IME30-15BNSZC0S	1041038
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694
					IME30-15BPOZW2S	1041036
			NO	Male connector M12, 4-pin	IME30-15BPOZC0S	1041034
				Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 2 m	IME30-15BPSZU2SS45	1135561
				Cable, 3-wire, 2 m	IME30-15BPSZW2S	1041032
				Male connector M12, 4-pin	IME30-15BPSZC0S	1041030
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-15BNOZW2K	1041043
				Male connector M12, 4-pin	IME30-15BNOZC0K	1041041
			NO	Cable, 3-wire, 2 m	IME30-15BNSZW2K	1041039
				Male connector M12, 4-pin	IME30-15BNSZC0K	1041037
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2KS43	1122818
					IME30-15BPOZW2K	1041035
				Male connector M12, 4-pin	IME30-15BPOZC0K	1041033
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 2 m	IME30-15BPSZU2KS44	1135560
				Cable, 3-wire, 0.1 m	IME30-15BPSZW7K	1116265
				Cable, 3-wire, 2 m	IME30-15BPSZW2K	1041031
				Male connector M12, 4-pin	IME30-15BPSZC0K	1041029
					IME30-15BPSZC0KS34	1098582

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **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.
15 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME30-15NNOZW2S	1041028
					Male connector M12, 4-pin	IME30-15NNOZC0S	1041026

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
			NO	–	Cable, 3-wire, 2 m	IME30-15NNSZW2S	1041024
					Cable, 3-wire, 6 m	IME30-15NNSZWDSS07	1044605
					Male connector M12, 4-pin	IME30-15NNSZC0S	1041022
		PNP	NC	–	Cable, 3-wire, 2 m	IME30-15NPOZW2S	1041020
					Cable, 3-wire, 5 m	IME30-15NPOZW5S	1049100
					Male connector M12, 4-pin	IME30-15NPOZC0S	1041018
			NO	–	Cable, 3-wire, 10 m	IME30-15NPSZW6S	1042633
					Cable, 3-wire, 2 m	IME30-15NPSZW2S	1041016
					Cable, 3-wire, 5 m	IME30-15NPSZW5S	1043386
				–	Cable with Phoenix MC1 male connector, 5/3ST-3, 81, 3-pin, 5 m	IME30-15NPSZW5SS17	1054335
					Male connector M12, 4-pin	IME30-15NPSZC0S	1041014
		Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-15NNOZW2K	1041027
					Male connector M12, 4-pin	IME30-15NNOZC0K	1041025
			NO	–	Cable, 3-wire, 2 m	IME30-15NNSZW2K	1041023
					Male connector M12, 4-pin	IME30-15NNSZC0K	1041021
			PNP	NC	Cable, 3-wire, 2 m	IME30-15NPOZW2K	1041019
					Male connector M12, 4-pin	IME30-15NPOZC0K	1041017
			NO	–	Cable, 3-wire, 2 m	IME30-15NPSZW2K	1041015
					Cable, 3-wire, 5 m	IME30-15NPSZW5K	1042721
					Male connector M12, 4-pin	IME30-15NPSZC0K	1041013

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
20 mm	Standard design	NPN	NC	–	Cable, 3-wire, 2 m	IME30-20NNOZW2S	1041060
					Cable, 3-wire, 5 m	IME30-20NNOZW5S	1046514
					Male connector M12, 4-pin	IME30-20NNOZC0S	1041058
			NO	–	Cable, 3-wire, 2 m	IME30-20NNSZW2S	1041056
					Cable, 3-wire, 5 m	IME30-20NNSZW5S	1046515
					Male connector M12, 4-pin	IME30-20NNSZC0S	1041054
		PNP	NC	–	Cable, 3-wire, 2 m	IME30-20NPOZW2S	1041052
					Male connector M12, 4-pin	IME30-20NPOZC0S	1041050
			NO	–	Cable, 3-wire, 2 m	IME30-20NPSZW2S	1041048
					Cable, 3-wire, 5 m	IME30-20NPSZW5S	1092691
					Male connector M12, 4-pin	IME30-20NPSZC0S	1041046
	Short-body	NPN	NC	–	Cable, 3-wire, 2 m	IME30-20NNOZW2K	1041059
					Male connector M12, 4-pin	IME30-20NNOZC0K	1041057
			NO	–	Cable, 3-wire, 2 m	IME30-20NNSZW2K	1041055
					Male connector M12, 4-pin	IME30-20NNSZC0K	1041053
		PNP	NC	–	Cable, 3-wire, 2 m	IME30-20NPOZW2K	1041051
					Male connector M12, 4-pin	IME30-20NPOZC0K	1041049
			NO	–	Cable, 3-wire, 2 m	IME30-20NPSZW2K	1041047
					Male connector M12, 4-pin	IME30-20NPSZC0K	1041045

Sensing range S_n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
38 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNOZW2S	1071308
					Male connector M12, 4-pin	IME30-38NNOZC0S	1071312
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNSZW2S	1071307
					Male connector M12, 4-pin	IME30-38NNSZC0S	1071311
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPOZW2S	1071306
					Male connector M12, 4-pin	IME30-38NPOZC0S	1071310
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPSZW2S	1071305
					Male connector M12, 4-pin	IME30-38NPSZC0S	1071309
	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNOZW2K	1071299
					Male connector M12, 4-pin	IME30-38NNOZC0K	1071304
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NNSZW2K	1071298
					Male connector M12, 4-pin	IME30-38NNSZC0K	1071303
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPOZW2K	1071297
					Male connector M12, 4-pin	IME30-38NPOZC0K	1071302
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME30-38NPSZW2K	1071300
					Male connector M12, 4-pin	IME30-38NPSZC0K	1071301

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire
- **Switching output:** PNP
- **Output function:** Complementary

Sensing range S_n	Housing	Connection type	Type	Part no.
10 mm	Standard design	Cable, 4-wire, 15 m	IME30-10BPPZUDSS27	1073189
15 mm	Standard design	Cable, 4-wire, 15 m	IME30-15BPPZUDSS28	1073996
		Male connector M12, 4-pin	IME30-15BPPZC0S	1063923
	Short-body	Cable, 4-wire, 2 m	IME30-15BPPZW2K	1057551

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** quasi-flush
- **Electrical wiring:** DC 3-wire
- **Special features:** triple sensing range

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
20 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME30-20BNOZW2S	1071292
				Male connector M12, 4-pin	IME30-20BNOZC0S	1071296
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2S	1071291
				Male connector M12, 4-pin	IME30-20BNSZC0S	1071295
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2S	1071290
				Male connector M12, 4-pin	IME30-20BPOZC0S	1071294
			NO	Cable, 3-wire, 2 m	IME30-20BPSZW2S	1071289
				Male connector M12, 4-pin	IME30-20BPSZC0S	1071293
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-20BNOZW2K	1071284
				Male connector M12, 4-pin	IME30-20BNOZC0K	1071288
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2K	1071283
				Male connector M12, 4-pin	IME30-20BNSZC0K	1071287
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2K	1071282
				Male connector M12, 4-pin	IME30-20BPOZC0K	1071286
			NO	Cable, 3-wire, 2 m	IME30-20BPSZW2K	1071281
				Male connector M12, 4-pin	IME30-20BPSZC0K	1071285
22 mm	Standard design	PNP	NO	Cable, 3-wire, 2 m	IME30-22BPSZW2SS42	1108099

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 15 mm

Housing	Output function	Connection type	Type	Part no.
Standard design	NC	Cable, 2-wire, 2 m	IME30-15BDOZY2S	1068263
		Male connector M12, 4-pin	IME30-15BDOZC0S	1067226
	NO	Cable, 2-wire, 2 m	IME30-15BDSZY2S	1068264
		Male connector M12, 4-pin	IME30-15BDSZC0S	1067183
Short-body	NO	Cable, 2-wire, 2 m	IME30-15BDSZY2K	1072343

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire
- **Sensing range S_n :** 20 mm
- **Housing:** Standard design

Output function	Connection type	Type	Part no.
NC	Cable, 2-wire, 2 m	IME30-20NDOZY2S	1068266
	Male connector M12, 4-pin	IME30-20NDOZC0S	1067235
NO	Cable, 2-wire, 2 m	IME30-20NDSZY2S	1068267
	Male connector M12, 4-pin	IME30-20NDSZC0S	1067184

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