



## IME

The economic standard for use in industrial environments

**SICK**  
Sensor Intelligence.



Technical data overview

<b>Housing</b>	Cylindrical thread design
<b>Thread size</b>	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
<b>Housing diameter</b>	Ø 8 mm ... Ø 30 mm (depending on type)
<b>Sensing range S<sub>n</sub></b>	1 mm ... 38 mm (depending on type)
<b>Electrical wiring</b>	DC 3-wire DC 2-wire DC 4-wire (depending on type)
<b>Housing material</b>	Brass / Stainless steel V2A (depending on type)
<b>Enclosure rating</b>	IP67 IP65 (depending on type)
<b>Housing</b>	Cylindrical thread design
<b>Thread size</b>	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
<b>Housing diameter</b>	Ø 8 mm ... Ø 30 mm (depending on type)
<b>Sensing range S<sub>n</sub></b>	1 mm ... 38 mm (depending on type)
<b>Electrical wiring</b>	DC 3-wire DC 2-wire DC 4-wire (depending on type)
<b>Housing material</b>	Brass / Stainless steel V2A (depending on type)
<b>Enclosure rating</b>	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: IP 67
- 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](http://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
		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		
					IME08-1B5PSVC0SS15	1052641	
					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 <sub>n</sub>	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	IME08-02BNOZT0S	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	IME08-02BNSZT0S	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
		Connector M8, 3-pin	IME08-02BPOVT0SS08			1048214
			IME08-02BPOVT0SS18			1053132
			IME08-02BPOZT0S			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 <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.	
				Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462	
					IME08-02BPSVT0SS17	1053131	
					IME08-02BPSZT0S	1040870	
	Short-body	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		
			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	
					IME08-02BPSZW2KS68	1114609	
				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 <sub>n</sub>	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
2.5 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2S	1040868
					Connector M8, 3-pin	IME08-2N5NOZT0S	1040866
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2S	1040864
					Connector M8, 3-pin	IME08-2N5NSZT0S	1040862
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2S	1040860
					Connector M8, 3-pin	IME08-2N5POZT0S	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	IME08-2N5NOZW2K	1040867
					Connector M8, 3-pin	IME08-2N5NOZT0K	1040865
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2K	1040863
					Connector M8, 3-pin	IME08-2N5NSZT0K	1040861
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2K	1040859
					Connector M8, 3-pin	IME08-2N5POZT0K	1040857
			NO		Cable, 3-wire, 2 m	IME08-2N5PSZW2K	1040855
					Cable, 3-wire, 5 m	IME08-2N5PSZW5K	1045368
Connector M8, 3-pin	IME08-2N5PSZT0K	1040853					
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
		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
			NO	-	Male connector M12, 4-pin	IME08-04NPOZC0S	1051208
					Cable with MOLEX-connector 43020-0409, 0.1 m	IME08-04NPSZW2SS50	1097796
					Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME08-04NPSZRDS02	1043843

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.				
					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				
					Short-body	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								
	PNP	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		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		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	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
					Connector M8, 3-pin			IME08-06NPOZT0K	1071201
		NO		Cable, 3-wire, 2 m	IME08-06NPSZW2K			1071195	
			Connector M8, 3-pin	IME08-06NPSZT0K	1071200				

- **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

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.		
					Connector M8, 3-pin	IME08-03BNOZT0S	1074026		
					Male connector M12, 4-pin	IME08-03BNOZC0S	1074033		
					NO	Triple sensing range	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
			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
				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	NO	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNSZW2S	1086323	
					Connector M8, 3-pin	IME08-04BNSZT0S	1086327	
		PNP	NC	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BPOZW2S	1086321
						Connector M8, 3-pin	IME08-04BPOZT0S	1086326
			NO	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	IME08-02BDOZY2S	1068250
		Connector M8, 3-pin	IME08-02BDOZT0S	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	IME08-02BDOZY2K	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	IME08-04NDOZY2S	1068252
	Connector M8, 3-pin	IME08-04NDOZT0S	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	IME12-02BNOZCOS	1040743
			NO	Cable, 3-wire, 2 m	IME12-02BNSZW2S	1040742
				Male connector M12, 4-pin	IME12-02BNSZCOS	1040740
		PNP	NC	Cable, 3-wire, 2 m	IME12-02BPOZW2S	1040738
				Male connector M12, 4-pin	IME12-02BPOZCOS	1040736
			NO	Cable, 3-wire, 10 m	IME12-02BPSZW6S	1052248
				Cable, 3-wire, 2 m	IME12-02BPSZW2S	1040734

Sensing range S <sub>n</sub>	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			
	Short-body	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				
				PNP	NC		Cable, 3-wire, 2 m	IME12-02BPOZW2K	1040737
								Male connector M12, 4-pin	IME12-02BPOZC0K
		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 <sub>n</sub>	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				
				PNP	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							
		Short-body	NPN	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 <sub>n</sub>	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	IME12-04BPSZWDKP02	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
				Cable, 3-wire, 2 m	IME12-04BPSZU2KS67	1114608
					IME12-04BPSZW2K	1040765
				Cable, 3-wire, 3 m	IME12-04BPSZU3K	1042735
				Cable, 3-wire, 5 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 <sub>n</sub>	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	
					Cable, 3-wire, 2 m	IME12-10NPOZW2S	1071239	
		PNP	NC	Triple sensing range	Male connector M12, 4-pin	IME12-10NPOZC0S	1071243	
					Cable, 3-wire, 2 m	IME12-10NPSZW2S	1071238	
		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
				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	-
	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	IME12-08NPSZWDSS61	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	IME12-08NPSZWDSS49	1079641				
								Male connector M12, 4-pin	IME12-08NPSZC0S	1040780				
									IME12-08NPSZCOSS57	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			
					IME12-08NPOZC0KS64	1109923								
					NO				-	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	IME12-04NPPZC0K	1043660
8 mm	Standard design	IME12-08NPPZC0S	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	IME12-04BPPZC0S	1060232
Short-body	Cable, 4-wire, 2 m	IME12-04BPPZW2K	1056423
	Cable, 4-wire, 5 m	IME12-04BPPZW5K	1064560
	Male connector M12, 4-pin	IME12-04BPPZC0K	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	IME12-06BNOZC0S	1071229
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2S	1071224
			Male connector M12, 4-pin	IME12-06BNSZC0S	1071228
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2S	1071223
			Male connector M12, 4-pin	IME12-06BPOZC0S	1071227
		NO	Cable, 3-wire, 2 m	IME12-06BPSZW2S	1071222
			Male connector M12, 4-pin	IME12-06BPSZC0S	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	IME12-06BNOZCOK	1071221
		NO	Cable, 3-wire, 2 m	IME12-06BNSZW2K	1071216
			Male connector M12, 4-pin	IME12-06BNSZCOK	1071220
	PNP	NC	Cable, 3-wire, 2 m	IME12-06BPOZW2K	1071215
			Male connector M12, 4-pin	IME12-06BPOZCOK	1071219
		NO	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	IME12-06BPSZCOK	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	IME12-04BDOZY2S	1068254
			Male connector M12, 4-pin	IME12-04BDOZC0S	1067200
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME12-04BDSZQ9S	1068718
			Cable, 2-wire, 2 m	IME12-04BDSZY2S	1068255
	Short-body	NC	Cable, 2-wire, 2 m	IME12-04BDOZY2K	1109634
			NO	Cable, 2-wire, 2 m	IME12-04BDSZY2K

- **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		
			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	NPN	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		
	PNP	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		
				Male connector M12, 4-pin	IME18-08BNOZC0S	1040978		
			NO	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		

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.	
		PNP	NC	Cable, 3-wire, 2 m	IME18-08BPOZW2S	1040972	
				Male connector M12, 4-pin	IME18-08BPOZC0S	1040970	
					IME18-08BPOZC0SS12	1051973	
			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	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	IME18-08BP-PZWDSS21	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 <sub>n</sub>	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	
					Cable, 3-wire, 2 m	IME18-12NPSZW2S	1040984	
		Cable, 3-wire, 5 m			IME18-12NPSZW5S	1048365		
		Male connector M12, 4-pin			IME18-12NPSZC0S	1040982		
		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
		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
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPSZW2S	1071256
				Male connector M12, 4-pin	IME18-12BPSZC0S	1071260
					IME18-12BPOZC0SS38	1138457

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 <sub>n</sub>	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
	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
	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
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 <sub>n</sub>	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
				Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694
					IME30-15BPOZW2S	1041036
		Male connector M12, 4-pin	IME30-15BPOZC0S	1041034		
		NO	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	
			Cable, 3-wire, 2 m	IME30-15BNOZW2K	1041043	
				IME30-15BNOZC0K	1041041	
	Male connector M12, 4-pin		IME30-15BNSZW2K	1041039		
	Short-body	NPN	NC	IME30-15BNSZC0K	1041037	
				IME30-15BPOZU2KS43	1122818	
			NO	IME30-15BPOZW2K	1041035	
				IME30-15BPOZC0K	1041033	
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPSZU2KS44	1135560
				Male connector M12, 4-pin	IME30-15BPSZW7K	1116265
			NO	Cable, 3-wire, 0.1 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 <sub>n</sub>	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
		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	IME30-10BP-PZUDSS27	1073189
15 mm	Standard design	Cable, 4-wire, 15 m	IME30-15BP-PZUDSS28	1073996
		Male connector M12, 4-pin	IME30-15BPPZCOS	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	IME30-20BNOZCOS	1071296
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2S	1071291
				Male connector M12, 4-pin	IME30-20BNSZCOS	1071295
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2S	1071290
				Male connector M12, 4-pin	IME30-20BPOZCOS	1071294
			NO	Cable, 3-wire, 2 m	IME30-20BPSZW2S	1071289
				Male connector M12, 4-pin	IME30-20BPSZCOS	1071293
	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-20BNOZW2K	1071284
				Male connector M12, 4-pin	IME30-20BNOZCOK	1071288
			NO	Cable, 3-wire, 2 m	IME30-20BNSZW2K	1071283
				Male connector M12, 4-pin	IME30-20BNSZCOK	1071287
		PNP	NC	Cable, 3-wire, 2 m	IME30-20BPOZW2K	1071282
				Male connector M12, 4-pin	IME30-20BPOZCOK	1071286
NO	NO	Cable, 3-wire, 2 m	IME30-20BPSZW2K	1071281		
		Male connector M12, 4-pin	IME30-20BPSZCOK	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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