



## IME

Inductive standard sensors for economical use in industrial environments

**SICK**  
Sensor Intelligence.



Technical data overview

<b>Housing</b>	Metric
<b>Thread size</b>	M8 x 1 M8 x 1 6g 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>	Metric
<b>Thread size</b>	M8 x 1 M8 x 1 6g 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: 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](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	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	
	IME08-1B5PSVC0SS15				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	IME08-02BNOZTOS	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
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 $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
	Short-body	NPN	NC	Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462
					IME08-02BPSVT0SS17	1053131
					IME08-02BPSZT0S	1040870
				Male connector M12, 4-pin	IME08-02BPSZC0S	1051205
				Cable, 3-wire, 2 m	IME08-02BNOZW2K	1040883
					Connector M8, 3-pin	IME08-02BNOZT0K
		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
	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	IME08-02BPSZU2KS68
		IME08-02BPSZW2K		1040871		
		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	IME08-2N5NOZW2S	1040868				
					Connector M8, 3-pin	IME08-2N5NOZTOS	1040866				
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2S	1040864				
					Connector M8, 3-pin	IME08-2N5NSZTOS	1040862				
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2S	1040860				
					Connector M8, 3-pin	IME08-2N5POZTOS	1040858				
			NO		Cable, 3-wire, 2 m	IME08-2N5PSZW2S	1040856				
					Connector M8, 3-pin	IME08-2N5PSZTOS	1040854				
	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2K	1040867				
					Connector M8, 3-pin	IME08-2N5NOZTOK	1040865				
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2K	1040863				
					Connector M8, 3-pin	IME08-2N5NSZTOK	1040861				
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2K	1040859				
					Connector M8, 3-pin	IME08-2N5POZTOK	1040857				
			NO		Cable, 3-wire, 2 m	IME08-2N5PSZW2K	1040855				
					Cable, 3-wire, 5 m	IME08-2N5PSZW5K	1045368				
				Connector M8, 3-pin	IME08-2N5PSZTOK	1040853					
				4 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME08-04NNOZW2S	1040900
									Cable, 3-wire, 3 m	IME08-04NNOZW3S	1111496
Connector M8, 3-pin	IME08-04NNOZTOS	1040898									
4 mm	Standard design	NPN	NO	-	Cable, 3-wire, 2 m	IME08-04NNSZW2S	1040896				
					Cable, 3-wire, 3 m	IME08-04NNSZW3S	1111495				
			Connector M8, 3-pin		IME08-04NNSZTOS	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	IME08-04NPSZRDS02	1043843	
		Cable, 3-wire, 2 m		IME08-04NPSZW2S	1040888		

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.		
					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				
				IME08-04NPSZW5KS72	1146102				
			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		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
						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
- **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.			
		NO	NO	Triple sensing range	Connector M8, 3-pin	IME08-03BNOZTOS	1074026			
					Male connector M12, 4-pin	IME08-03BNOZCOS	1074033			
					Cable, 3-wire, 2 m	IME08-03BNSZW2S	1074044			
					Connector M8, 3-pin	IME08-03BNSZTOS	1073663			
					Male connector M12, 4-pin	IME08-03BNSZCOS	1074031			
					PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2S	1074043
								Connector M8, 3-pin	IME08-03BPOZTOS	1073662
								Male connector M12, 4-pin	IME08-03BPOZCOS	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	IME08-03BPSZTOS	1073457						
		Male connector M12, 4-pin	IME08-03BPSZCOS	1074029						
		Short-body	NPN	NC			Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2K	1074035
								Connector M8, 3-pin	IME08-03BNOZTOK	1074041
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2K	1074009		
						Connector M8, 3-pin	IME08-03BNSZTOK	1074040		
				PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2K	1074008	
							Connector M8, 3-pin	IME08-03BPOZTOK	1074038	
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPSZW2K	1074007			
Connector M8, 3-pin	IME08-03BPSZTOK				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	IME08-02BDOZY2S	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	IME12-02BNOZC0S	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
					IME12-02BPSZW2SS70	1114909

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.	
				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
		PNP	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	
					IME12-02BPSZW2KS59	1097022	
		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
NO	Male connector M12, 4-pin				IME12-3B2PSZC0SS80	1148359	
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	
				Male connector M12, 4-pin	IME12-04BNOZC0S	1040776	

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.		
		NO	NO	Cable, 3-wire, 2 m	IME12-04BNSZW2S	1040774		
					IME12-04BNSZW2SS34	1063528		
				Cable, 3-wire, 5 m	IME12-04BNSZW5S	1044612		
					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
							IME12-04BPOZWDS	1057405
		Male connector M12, 4-pin	IME12-04BPOZC0S			1040768		
			IME12-04BPOZCOSS01	1042579				
		NO	NO	Cable, 3-wire, 2 m	IME12-04BPSVW2S	1051424		
					IME12-04BPSZW2S	1040766		
				Cable, 3-wire, 3 m	IME12-04BPSZU3S	1042626		
					IME12-04BPSVWDS	1043110		
				Cable, 3-wire, 4 m	IME12-04BPSVWDS	1043110		
					IME12-04BPSZW5S	1043329		
				Cable, 3-wire, 8 m	IME12-04BPSZWDS	1057403		
					IME12-04BPSZC0S	1040764		
	IME12-04BPSZCOSS71	1115941						
Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-04BNOZW2K	1040777			
			Male connector M12, 4-pin	IME12-04BNOZC0K	1040775			
4 mm	Short-body	NPN	NO	Cable, 3-wire, 2.5 m	IME12-04BNSZWDK	1060014		
				Cable, 3-wire, 2 m	IME12-04BNSZW2K	1040773		
					IME12-04BNSVWDK	1044353		
				Cable, 3-wire, 4 m	IME12-04BNSZW5K	1052062		
					IME12-04BNSZC0K	1040771		
		Male connector M12, 4-pin	IME12-04BNSZC0KS35	1063529				
		PNP	NC	NO	Cable, 3-wire, 2 m	IME12-04BPOZW2K	1040769	
						Connector M8, 3-pin	IME12-04BPOZT0K	1074637
					Male connector M12, 4-pin	IME12-04BPOZC0K	1040767	
			NO		Cable with M12 male connector, 4-pin, 150 mm	IME12-04BPSZQDK	1056892	

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.
				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
					IME12-04BPSZW2KS	1058467
				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	IME12-10NNOZCOS	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	IME12-10NNSZCOS	1071244	
					PNP	NC	Triple sensing range	Cable, 3-wire, 2 m
		Male connector M12, 4-pin	IME12-10NPOZCOS	1071243				
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPSZW2S	1071238		
				Male connector M12, 4-pin	IME12-10NPSZCOS	1071242		
		Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2K	1071233
						Male connector M12, 4-pin	IME12-10NNOZCOK	1071237
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNSZW2K	1071236
	Male connector M12, 4-pin					IME12-10NNSZCOK	1071232	
	PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPOZW2K	1071231	
					Male connector M12, 4-pin	IME12-10NPOZCOK	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	IME12-10NPSZCOK	1071234		
4 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME12-04NNOZW2S	1040762	
					Male connector M12, 4-pin	IME12-04NNOZCOS	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	
					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		
			Male connector M12, 4-pin		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	
		Cable, 3-wire, 2 m		IME12-04NPSZW2K	1040749			
	Cable, 3-wire, 5 m	IME12-04NPSZW5K	1042725					
	Male connector M12, 4-pin	IME12-04NPSVC0KS09	1044005					
	Male connector M12, 4-pin	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
									IME12-08NPSZC0SS57	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, 5 m	IME12-08NPOZW5K	1118192			
					Male connector M12, 4-pin	IME12-08NPOZC0K	1040783			
									IME12-08NPOZC0KS64	1109923
						NO	-		Cable, 3-wire, 10 m	IME12-08NPSZW6K
			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	IME12-06BNOZC0S	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	IME12-06BNOZC0K	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 <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.	
		PNP	NO	Cable, 3-wire, 2 m	IME18-05BNSZW2S	1040944	
				Male connector M12, 4-pin	IME18-05BNSZC0S	1040942	
			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	
		Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2S	1040980
					Male connector M12, 4-pin	IME18-08BNOZC0S	1040978
	8 mm	Standard design	NPN	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
			Male connector M12, 4-pin	IME18-08BPOZC0S		1040970	
				IME18-08BPOZC0SS12		1051973	

Sensing range S <sub>n</sub>	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		
					IME18-08BPSZC0SP03	1054701		
					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
					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
				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



Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
		NO		-	Male connector M12, 4-pin	IME18-12NNOZC0S	1040994	
					Cable, 3-wire, 2 m	IME18-12NNSZW2S	1040992	
			Male connector M12, 4-pin	IME18-12NNSZC0S	1040990			
				Cable, 3-wire, 2 m	IME18-12NPOZW2S	1040988		
			Male connector M12, 4-pin	IME18-12NPOZC0S	1040986			
				IME18-12NPOZC0SS40	1145779			
		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			
				IME18-12NPSZC0SS41	1145778			
		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



- **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	-	IME18-12NPPZCOS	1044127
20 mm	Short-body	Triple sensing range	IME18-20NPPZCOK	1096266
8 mm	Standard design	-	IME18-08NPPZCOS	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.		
Extremely short model	PNP	NO	Triple sensing range	Cable, 3-wire, 3 m	IMG18-12BPSZW3KS01	1102287		
				Cable, 3-wire, 5 m	IMG18-12BPSZW5KS02	1102289		
				Cable, 3-wire, 7 m	IMG18-12BPSZWDKS03	1102290		
Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2S	1071259		
				Male connector M12, 4-pin	IME18-12BNOZCOS	1071263		
				Cable, 3-wire, 2 m	IME18-12BNSZW2S	1071258		
		Male connector M12, 4-pin		IME18-12BNSZCOS	1071262			
		PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2S	1071257
						Male connector M12, 4-pin	IME18-12BPOZCOS	1071261
	NO		Triple sensing range	Cable, 3-wire, 2 m		IME18-12BPOZCOSS38	1138457	
				Cable, 3-wire, 2 m		IME18-12BPSZW2S	1071256	
	Male connector M12, 4-pin	IME18-12BPSZCOS	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	IME18-12BNOZC0K	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	IME18-12BNSZC0K	1071254
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2K
	Male connector M12, 4-pin				IME18-12BPOZC0K	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
	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		IME18-12BPSZC0K		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	IME18-08BDOZY2S	1068258
		Male connector M12, 4-pin	IME18-08BDOZCOS	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	IME18-08BDSZCOS	1067207
Short-body	NC	Cable, 2-wire, 2 m	IME18-08BDOZY2K	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	IME18-12NDOZY2S	1068260
	Male connector M12, 4-pin	IME18-12NDOZCOS	1067222
NO	Cable, 2-wire, 2 m	IME18-12NDSZY2S	1068261
	Male connector M12, 4-pin	IME18-12NDSZCOS	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 <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	
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694	
				Male connector M12, 4-pin	IME30-15BPOZW2S	1041036	
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 2 m	IME30-15BPSZU2SS45	1135561	
				Cable, 3-wire, 2 m	IME30-15BPSZW2S	1041032	
		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
					Male connector M12, 4-pin	IME30-15BPOZW2K	1041035
		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	
		NPN	NC	Cable, 3-wire, 2 m	IME30-15BPSZW2K	1041031	
				Male connector M12, 4-pin	IME30-15BPSZC0K	1041029	
			NO	Cable, 3-wire, 2 m	IME30-15BPSZU2KS44	1135560	
				Male connector M12, 4-pin	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	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 <sub>n</sub>	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 <sub>n</sub>	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	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	IME30-15BD0ZY2S	1068263
		Male connector M12, 4-pin	IME30-15BD0ZC0S	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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