



IME

Inductive standard sensors for economical use in industrial environments

SICK
Sensor Intelligence.



Technical data overview

Housing	Metric
Thread size	M8 x 1 M8 x 1 6g M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 38 mm (depending on type)
Electrical wiring	DC 3-wire DC 2-wire DC 4-wire (depending on type)
Housing material	Brass / Stainless steel V2A (depending on type)
Enclosure rating	IP67 IP65 (depending on type)
Housing	Metric
Thread size	M8 x 1 M8 x 1 6g M12 x 1 M18 x 1 M30 x 1.5
Housing diameter	Ø 8 mm ... Ø 30 mm (depending on type)
Sensing range S_n	1 mm ... 38 mm (depending on type)
Electrical wiring	DC 3-wire DC 2-wire DC 4-wire (depending on type)
Housing material	Brass / Stainless steel V2A (depending on type)
Enclosure rating	IP67 IP65 (depending on type)

Product description

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

At a glance

- Types: M8 to M30
- Extended sensing ranges: 1.5 mm to 38 mm
- Electrical configuration: DC 3-/4-wire, DC 2-wire
- Enclosure rating: IP67
- Temperature range: -25 °C to +75 °C
- Nickel-plated brass housing; plastic sensing face

Your benefits

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

Ordering information

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

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

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
1.5 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2S	1040852
				Connector M8, 3-pin	IME08-1B5NOZT0S	1040850
			NO	Cable, 3-wire, 2 m	IME08-1B5NSZW2S	1040848
				Cable, 3-wire, 5 m	IME08-1B5NSZW5S	1043555
		Connector M8, 3-pin	IME08-1B5NSZT0S	1040846		
		PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2S	1040844
				Connector M8, 3-pin	IME08-1B5POZT0S	1040842
			NO	Cable, 3-wire, 2 m	IME08-1B5PSZW2S	1040840
				Connector M8, 3-pin	IME08-1B5PSZT0S	1040838
				Male connector M12, 4-pin	IME08-1B5PSVC0S	1051740
	IME08-1B5PSVC0SS15				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 _n	Housing	Switching output	Output function	Connection type	Type	Part no.		
1 mm	Short-body	PNP	NO	Cable with Wuerth connector, 3-pin (688003113322), 230 mm	IME08-01BPSZWDKS27	1058685		
				Cable with Wuerth connector, 3-pin (688003113322), 450 mm	IME08-01BPSZWDKS28	1058686		
				Cable with Tyco male connector, 3-pin, 450 mm	IME08-01BPSZWDKS29	1058687		
2 mm	Standard design	NPN	NC	Cable, 3-wire, 10 m	IME08-02BNOZW6S	1044816		
				Cable, 3-wire, 2 m	IME08-02BNOZW2S	1040884		
				Cable, 3-wire, 5 m	IME08-02BNOZW5S	1044815		
				Connector M8, 3-pin	IME08-02BNOZTOS	1040882		
			NO	Cable, 3-wire, 2 m	IME08-02BNSZU2S	1046451		
					IME08-02BNSZW2S	1040880		
				Cable, 3-wire, 3 m	IME08-02BNSZW3SS55	1104244		
				Cable, 3-wire, 5 m	IME08-02BNSZW5S	1138730		
				Connector M8, 3-pin	IME08-02BNSZTOS	1040878		
				Cable with AMP male connector, 3-pin, 200 mm	IME08-02BNSZWDSS59	1115033		
2 mm	Standard design	NPN	NO	Male connector M12, 4-pin	IME08-02BNSZC0S	1051127		
				PNP	NC	Cable, 3-wire, 2 m	IME08-02BPOZW2S	1040876
						Connector M8, 3-pin	IME08-02BPOVT0SS08	1048214
							IME08-02BPOVT0SS18	1053132
							IME08-02BPOZT0S	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.				
				Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462				
					IME08-02BPSVT0SS17	1053131				
					IME08-02BPSZT0S	1040870				
				Short-body	NPN	NC	Male connector M12, 4-pin	IME08-02BPSZC0S	1051205	
								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
							Short-body	PNP	NC	Connector M8, 3-pin
	IME08-02BNSZT0KS09	1048437								
	Cable, 3-wire, 2 m	IME08-02BPOZW2K	1040875							
	Cable, 3-wire, 3 m	IME08-02BPOZW3K	1084271							
	NO	Cable, 3-wire, 5 m	IME08-02BPOZW5K	1047423						
		Connector M8, 3-pin	IME08-02BPOZT0K	1040873						
		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_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		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	1071196
					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.		
		PNP	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		
					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 _n	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	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		
Male connector M12, 4-pin	IME12-04BNOZC0S					1040776		

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.	
		NO		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	
					IME12-04BPOZCOSS01	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		
			IME12-04BPSZCOSS71	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	
				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	
		NO	Cable with M12 male connector, 4-pin, 150 mm	IME12-04BPSZQDK	1056892		

Sensing range S _n	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 _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
10 mm	Standard design	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NNOZW2S	1071241	
					Male connector M12, 4-pin	IME12-10NNOZCOS	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	
					Cable, 3-wire, 2 m	IME12-10NPOZW2S	1071239	
		PNP	NC	Triple sensing range	Male connector M12, 4-pin	IME12-10NPOZCOS	1071243	
					Cable, 3-wire, 2 m	IME12-10NPSZW2S	1071238	
		Short-body	NPN	NC	Triple sensing range	Male connector M12, 4-pin	IME12-10NPSZCOS	1071242
						Cable, 3-wire, 2 m	IME12-10NNOZW2K	1071233
						Male connector M12, 4-pin	IME12-10NNOZCOK	1071237
						Cable, 3-wire, 2 m	IME12-10NNSZW2K	1071236
	NO			Triple sensing range	Male connector M12, 4-pin	IME12-10NNSZCOK	1071232	
					Cable, 3-wire, 2 m	IME12-10NPOZW2K	1071231	
					Male connector M12, 4-pin	IME12-10NPOZCOK	1071235	
					Cable with M12 male connector, 4-pin, 0.3 m	IME12-10NPSZQ9KS72	1122230	
PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-10NPSZW2K	1071230			
			Male connector M12, 4-pin	IME12-10NPSZCOK	1071234			
			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
			NO	–	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, 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	IME12-04NPPZCOK	1043660
8 mm	Standard design	IME12-08NPPZCOS	1060464

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

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

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

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

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

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range S_n	Housing	Output function	Connection type	Type	Part no.
2 mm	Standard design	NO	Cable, 2-wire, 2 m	IME12-02BDSZY2S	1069022
4 mm	Standard design	NC	Cable, 2-wire, 2 m	IME12-04BD0ZY2S	1068254
			Male connector M12, 4-pin	IME12-04BD0ZC0S	1067200
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME12-04BDSZQ9S	1068718
			Cable, 2-wire, 2 m	IME12-04BDSZY2S	1068255
			Male connector M12, 4-pin	IME12-04BDSZC0S	1067178
	Short-body	NC	Cable, 2-wire, 2 m	IME12-04BD0ZY2K	1109634
		NO	Cable, 2-wire, 2 m	IME12-04BDSZY2K	1072274

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

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

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 3-wire

Sensing range S_n	Housing	Switching output	Output function	Connection type	Type	Part no.
5 mm	Standard design	NPN	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2S	1040948
				Cable, 3-wire, 5 m	IME18-05BNOZW5S	1048309
				Male connector M12, 4-pin	IME18-05BNOZC0S	1040946

Sensing range S _n	Housing	Switching output	Output function	Connection type	Type	Part no.	
			NO	Cable, 3-wire, 2 m	IME18-05BNSZW2S	1040944	
				Male connector M12, 4-pin	IME18-05BNSZC0S	1040942	
		PNP	NC	Cable, 3-wire, 2 m	IME18-05BPOZW2S	1040940	
				Cable, 3-wire, 5 m	IME18-05BPOZW5S	1048308	
				Male connector M12, 4-pin	IME18-05BPOZC0S	1040938	
		NO	Cable, 3-wire, 10 m	IME18-05BPSZW6S	1044903		
			Cable, 3-wire, 2 m	IME18-05BPSZW2S	1040936		
			Cable, 3-wire, 5 m	IME18-05BPSZW5S	1046725		
			Male connector M12, 4-pin	IME18-05BPSZC0S	1040934		
		Short-body	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
	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 _n	Housing	Switching output	Output function	Connection type	Type	Part no.				
			NO	Cable with Deutsch DT04-3P-CE09 male connector, 3-pin, 1 m	IME18-08BPSZU1SS37	1135559				
				Cable, 3-wire, 2 m	IME18-08BPSZW2S	1040968				
				Cable, 3-wire, 5 m	IME18-08BPSZW5S	1048156				
				Male connector M12, 4-pin	IME18-08BPSZC0S	1040966				
					IME18-08BPSZC0SP03	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	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
					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 _n	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	1071271
	PNP			NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPOZW2K	1071265
						Male connector M12, 4-pin	IME18-20NPOZC0K	1071270
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-20NPSZW2K	1071264		
				Cable, 3-wire, 5 m	IME18-20NPSZW5K	1101098		
Male connector M12, 4-pin				IME18-20NPSZC0K	1071269			
8 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME18-08NNOZW2S	1040964	

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
			NO	-	Male connector M12, 4-pin	IME18-08NNOZC0S	1040962	
					Cable, 3-wire, 2 m	IME18-08NNSZW2S	1040960	
					Cable, 3-wire, 6 m	IME18-08NNSZWDSS06	1044601	
					Male connector M12, 4-pin	IME18-08NNSZC0S	1040958	
		PNP	NC	-	Cable, 3-wire, 2 m	IME18-08NPOZW2S	1040956	
					Cable, 3-wire, 5 m	IME18-08NPOZW5S	1049098	
					Male connector M12, 4-pin	IME18-08NPOZC0S	1040954	
			NO	-	Cable, 3-wire, 2 m	IME18-08NPSZW2S	1040952	
					Cable, 3-wire, 5 m	IME18-08NPSZW5S	1046875	
					Connector M8, 3-pin	IME18-08NPSZT0S	1068737	
					Male connector M12, 4-pin	IME18-08NPSZC0S	1040950	
		Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME18-08NNOZW2K	1040963
						Male connector M12, 4-pin	IME18-08NNOZC0K	1040961
						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	-	IME18-12NPPZCOS	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	Male connector M12, 4-pin		IME18-12BPOZC0SS38	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
	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 _n	Housing	Switching output	Output function	Connection type	Type	Part no.	
				Cable, 3-wire, 5 m	IME30-15BNSZW5S	1044614	
				Male connector M12, 4-pin	IME30-15BNSZC0S	1041038	
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694	
				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
		Male connector M12, 4-pin	Cable, 3-wire, 2 m	IME30-15BPSZW2K	1041031		
			Male connector M12, 4-pin	IME30-15BPSZC0K	1041029		
				IME30-15BPSZC0KS34	1098582		

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 3-wire

Sensing range S _n	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
15 mm	Standard design	NPN	NC	-	Cable, 3-wire, 2 m	IME30-15NNOZW2S	1041028
					Male connector M12, 4-pin	IME30-15NNOZC0S	1041026

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

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

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

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

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

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

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