



# IME

The economic standard for use in industrial environments

**INDUCTIVE PROXIMITY SENSORS**

**SICK**  
Sensor Intelligence.



Technical data overview

<b>Housing</b>	Cylindrical thread design
<b>Thread size</b>	M8 x 1 M12 x 1 M18 x 1 M30 x 1.5
<b>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>Housing material</b>	Brass / Stainless steel V2A (depending on type)
<b>Enclosure rating</b>	IP67 IP65 (depending on type)

Product description

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

At a glance

- Types: M8 to M30
- Extended sensing ranges: 1.5 mm to 38 mm
- Electrical configuration: DC 3-/4-wire, DC 2-wire
- Enclosure rating: IP 67
- Temperature range: -25 °C to +75 °C
- Nickel-plated brass housing; plastic sensing face

Your benefits

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

Ordering information

Other models and accessories → [www.sick.com/IME](http://www.sick.com/IME)

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

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.
1.5 mm	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

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
1 mm	Standard	PNP	NC	Connector M8, 3-pin	IME08-1B5NSZT0K	1040845
				Cable, 3-wire, 2 m	IME08-1B5POZW2K	1040843
			Connector M8, 3-pin	IME08-1B5POZT0K	1040841	
			NO	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	
		Connector M8, 3-pin	IME08-1B5PSZT0KS44	1091110		
		NPN	NC	Cable, 3-wire, 2 m	IME08-1B5NOZW2S	1040852
				Connector M8, 3-pin	IME08-1B5NOZT0S	1040850
			NO	Cable, 3-wire, 2 m	IME08-1B5NSZW2S	1040848
				Cable, 3-wire, 5 m	IME08-1B5NSZW5S	1043555
				Connector M8, 3-pin	IME08-1B5NSZT0S	1040846
			PNP	NC	Cable, 3-wire, 2 m	IME08-1B5POZW2S
	Connector M8, 3-pin				IME08-1B5POZT0S	1040842
	NO			Cable, 3-wire, 2 m	IME08-1B5PSZW2S	1040840
				Connector M8, 3-pin	IME08-1B5PSZT0S	1040838
				Male connector M12, 4-pin	IME08-1B5PSVC0S	1051740
	IME08-1B5PSVC0SS15	1052641				
	IME08-1B5PSVC0SS25	1055198				
	Short-body	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

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.		
2 mm	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME08-02BNOZW2K	1040883		
				Connector M8, 3-pin	IME08-02BNOZT0K	1040881		
			NO	Cable, 3-wire, 0.6 m	IME08-02BNSZUDKS39	1067744		
				Cable, 3-wire, 2 m	IME08-02BNSZW2K	1040879		
				Cable, 3-wire, 3 m	IME08-02BNSZU3K	1072466		
		PNP	NC	Connector M8, 3-pin	IME08-02BNSZT0K	1040877		
					IME08-02BNSZT0KS09	1048437		
		2 mm	Short-body	PNP	NC	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		
Standard	NPN			NC	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	
					Cable, 3-wire, 10 m	IME08-02BNOZW6S	1044816	
Standard	NPN	NC	Cable, 3-wire, 2 m	IME08-02BNOZW2S	1040884			
			Cable, 3-wire, 5 m	IME08-02BNOZW5S	1044815			

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.	
		NPN	NO	Connector M8, 3-pin	IME08-02BNOZT0S	1040882	
				Cable, 3-wire, 2 m	IME08-02BNSZU2S	1046451	
					IME08-02BNSZW2S	1040880	
				Cable, 3-wire, 3 m	IME08-02BNSZW3SS55	1104244	
				Connector M8, 3-pin	IME08-02BNSZT0S	1040878	
				Cable with AMP male connector, 3-pin, 200 mm	IME08-02BNSZWDSS59	1115033	
			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		
			Connector M8, 3-pin	IME08-02BPSVT0SS12	1051462		
				IME08-02BPSVT0SS17	1053131		
				IME08-02BPSZT0S	1040870		
			Male connector M12, 4-pin	IME08-02BPSZC0S	1051205		

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

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
2.5 mm	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2K	1040867
					Connector M8, 3-pin	IME08-2N5NOZT0K	1040865
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2K	1040863
					Connector M8, 3-pin	IME08-2N5NSZT0K	1040861
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2K	1040859
					Connector M8, 3-pin	IME08-2N5POZT0K	1040857
			NO		Cable, 3-wire, 2 m	IME08-2N5PSZW2K	1040855
					Cable, 3-wire, 5 m	IME08-2N5PSZW5K	1045368
	Standard	NPN	NC	-	Cable, 3-wire, 2 m	IME08-2N5NOZW2S	1040868
					Connector M8, 3-pin	IME08-2N5NOZT0S	1040866
			NO		Cable, 3-wire, 2 m	IME08-2N5NSZW2S	1040864
					Connector M8, 3-pin	IME08-2N5NSZT0S	1040862
		PNP	NC		Cable, 3-wire, 2 m	IME08-2N5POZW2S	1040860
					Connector M8, 3-pin	IME08-2N5POZT0S	1040858
			NO		Cable, 3-wire, 2 m	IME08-2N5PSZW2S	1040856
					Connector M8, 3-pin	IME08-2N5PSZT0S	1040854
4 mm	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME08-04NNOZW2K	1040899
					Connector M8, 3-pin	IME08-04NNOZT0K	1040897
4 mm	Short-body	NPN	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	

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
		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

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.			
	Standard	NPN	NC	-	Connector M8, 3-pin	IME08-04NPSZT0K	1040885			
						IME08-04NPSZT0KS07	1047752			
					Cable, 3-wire, 2 m	IME08-04NNOZW2S	1040900			
					Cable, 3-wire, 3 m	IME08-04NNOZW3S	1111496			
					Connector M8, 3-pin	IME08-04NNOZT0S	1040898			
			NO	-	Cable, 3-wire, 2 m	IME08-04NNSZW2S	1040896			
					Cable, 3-wire, 3 m	IME08-04NNSZW3S	1111495			
					Connector M8, 3-pin	IME08-04NNSZT0S	1040894			
					PNP	NC	-	Cable, 3-wire, 2 m	IME08-04NPOZW2S	1040892
								Connector M8, 3-pin	IME08-04NPOVT0SS20	1053134
			IME08-04NPOZT0S	1040890						
		NO	-	Male connector M12, 4-pin	IME08-04NPOZC0S	1051208				
				Cable with MOLEX-connector 43020-0409, 0.1 m	IME08-04NPSZW2SS50	1097796				
				Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME08-04NPSZRDSS02	1043843				
				Cable, 3-wire, 2 m	IME08-04NPSZW2S	1040888				
				Cable, 3-wire, 6 m	IME08-04NPSZUDSS56	1106485				
				Connector M8, 3-pin	-		IME08-04NPSVT0SS19	1053133		
							IME08-04NPSZT0S	1040886		
							IME08-04NPSZT0SS58	1109930		
		Male connector M12, 4-pin		IME08-04NPSZC0S	1051209					
		5 mm	Standard	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	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2K	1071199		
					Connector M8, 3-pin	IME08-06NNOZT0K	1071203		
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNSZW2K	1071198		
					Connector M8, 3-pin	IME08-06NNSZT0K	1071202		
			PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPOZW2K	1071196	
						Connector M8, 3-pin	IME08-06NPOZT0K	1071201	
		NO		Triple sensing range	Cable, 3-wire, 2 m	IME08-06NPSZW2K	1071195		
					Connector M8, 3-pin	IME08-06NPSZT0K	1071200		
		Standard	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNOZW2S	1071207	
						Connector M8, 3-pin	IME08-06NNOZT0S	1071211	
						Male connector M12, 4-pin	IME08-06NNOZC0S	1072570	
						NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-06NNSZW2S
	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	

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

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
3 mm	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2K	1074035	
					Connector M8, 3-pin	IME08-03BNOZT0K	1074041	
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2K	1074009		
				Connector M8, 3-pin	IME08-03BNSZT0K	1074040		
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2K	1074008	
					Connector M8, 3-pin	IME08-03BPOZT0K	1074038	
		NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPSZW2K	1074007		
				Connector M8, 3-pin	IME08-03BPSZT0K	1074037		
		Standard	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNOZW2S	1074045
						Connector M8, 3-pin	IME08-03BNOZT0S	1074026
	Male connector M12, 4-pin					IME08-03BNOZC0S	1074033	
	NO			Triple sensing range	Cable, 3-wire, 2 m	IME08-03BNSZW2S	1074044	
					Connector M8, 3-pin	IME08-03BNSZT0S	1073663	
					Male connector M12, 4-pin	IME08-03BNSZC0S	1074031	
	PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPOZW2S	1074043	
					Connector M8, 3-pin	IME08-03BPOZT0S	1073662	
			NO	Triple sensing range	Cable, 3-wire, 2 m	IME08-03BPSZW2S	1074042	
					Connector M8, 3-pin	IME08-03BPSZT0S	1073457	
	Male connector M12, 4-pin	IME08-03BPSZC0S	1074029					

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
4 mm	Standard	NPN	NC	Quadruple sensing range	Cable, 3-wire, 2 m	IME08-04BNOZW2S	1086324
					Connector M8, 3-pin	IME08-04BNOZT0S	1086328
			NO		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		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 $S_n$	Housing	Output function	Connection type	Type	Part no.
2 mm	Short-body	NC	Cable, 2-wire, 2 m	IME08-02BDOZY2K	1109633
		NO	Cable, 2-wire, 2 m	IME08-02BDSZY2K	1070432
	Standard	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

- **Sub product family:** IME08
- **Cylindrical thread design:** M8
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
4 mm	Standard	NC	Cable, 2-wire, 2 m	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	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-02BNOZW2K	1040745

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.					
			NO		IME12-02BNOZW2KS16	1045051					
				Male connector M12, 4-pin	IME12-02BNOZC0K	1040744					
				Cable, 3-wire, 2 m	IME12-02BNSZW2K	1040741					
					IME12-02BNSZW2KS14	1044939					
					IME12-02BNSZW2KS15	1045050					
				Male connector M12, 4-pin	IME12-02BNSZC0K	1040739					
				PNP	NC	Cable, 3-wire, 2 m	IME12-02BPOZW2K	1040737			
						Male connector M12, 4-pin	IME12-02BPOZC0K	1040735			
						NO	Cable with connector M8, 3-pin, with knurled nuts, 0.3 m	IME12-02BPSZR9K	1090477		
							Cable, 3-wire, 10 m	IME12-02BPSZW6K	1051993		
							Cable, 3-wire, 2 m	IME12-02BPSZW2K	1040733		
						Cable, 3-wire, 5 m	IME12-02BPSZW5K	1042724			
						Male connector M12, 4-pin	IME12-02BPSZC0K	1040731			
						Standard	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				
				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							
		3.2 mm	Standard	PNP	NC		Male connector M12, 4-pin	IME12-3B2POZC0SS28	1056197		

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.								
4 mm	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME12-04BNOZW2K	1040777								
				Male connector M12, 4-pin	IME12-04BNOZC0K	1040775								
	Short-body	NPN	NO	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	NC	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	NO	NO	Cable with M12 male connector, 4-pin, 150 mm	IME12-04BPSZQDK	1056892
												Cable, 3-wire, 0.5 m	IME12-04BPSZWDKPO2	1049021
												Cable, 3-wire, 10 m	IME12-04BPSZW6K	1060824
					IME12-04BPSZW6KS56	1093752								
					Cable, 3-wire, 1 m	IME12-04BPSZUDKS37	1065145							
			IME12-04BPSZW1KP03	1049107										
			Cable, 3-wire, 2.5 m	IME12-04BPSZWDKS30	1060015									
			Cable, 3-wire, 2 m	IME12-04BPSZU2KS67	1114608									
				IME12-04BPSZW2K	1040765									
			Cable, 3-wire, 3 m	IME12-04BPSZU3K	1042735									
			Cable, 3-wire, 5 m	IME12-04BPSZU5KS69	1114610									
				IME12-04BPSZW5K	1044448									
			4 mm	Short-body	PNP	NO	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						

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.		
	Standard	NPN	NC	Cable, 3-wire, 10 m	IME12-04BPSZC0KS21	1051971		
					IME12-04BPSZC0KS41	1068239		
				Cable, 3-wire, 2 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		
				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	
		NO		Male connector M12, 4-pin	IME12-04BPOZC0S	1040768		
					IME12-04BPOZC0SS01	1042579		
				Cable, 3-wire, 2 m	IME12-04BPSVW2S	1051424		
					IME12-04BPSZW2S	1040766		
				Cable, 3-wire, 3 m	IME12-04BPSZU3S	1042626		
				Cable, 3-wire, 4 m	IME12-04BPSVWDS	1043110		
		Cable, 3-wire, 5 m	IME12-04BPSZW5S	1043329				
		Cable, 3-wire, 8 m	IME12-04BPSZWDS	1057403				
		Male connector M12, 4-pin	IME12-04BPSZC0S	1040764				
			IME12-04BPSZC0SS71	1115941				

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

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
					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	
		Standard	NPN	NC	-	Cable, 3-wire, 2 m	IME12-04NNOZW2S	1040762
						Male connector M12, 4-pin	IME12-04NNOZC0S	1040760
		PNP	NC	-	-	Cable, 3-wire, 2 m	IME12-04NNSZW2S	1040757
						Male connector M12, 4-pin	IME12-04NNSZC0S	1040756
						Cable, 3-wire, 10 m	IME12-04NPOZU6S	1043926
						Cable, 3-wire, 2 m	IME12-04NPOZW2S	1040754
	NO		-	-	-	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



Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
		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			
		Standard	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 connector, 4-pin, 0.8 m		IME12-08NPOZQDSS53	1090476	
				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	

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Short-body	PNP	Complementary	Male connector M12, 4-pin	IME12-04NPPZCOK	1043660
8 mm	Standard	PNP	Complementary	Male connector M12, 4-pin	IME12-08NPPZCOS	1060464

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
4 mm	Short-body	PNP	Complementary	Cable, 4-wire, 2 m	IME12-04BPPZW2K	1056423
				Cable, 4-wire, 5 m	IME12-04BPPZW5K	1064560
				Male connector M12, 4-pin	IME12-04BPPZCOK	1060546
	Standard	PNP	Complementary	Male connector M12, 4-pin	IME12-04BPPZCOS	1060232

- **Sub product family:** IME12
- **Cylindrical thread design:** M12
- **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.	
6 mm	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-06BNOZW2K	1071217	
					Male connector M12, 4-pin	IME12-06BNOZC0K	1071221	
			NO		Triple sensing range	Cable, 3-wire, 2 m	IME12-06BNSZW2K	1071216
						Male connector M12, 4-pin	IME12-06BNSZC0K	1071220
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-06BPOZW2K	1071215	
					Male connector M12, 4-pin	IME12-06BPOZC0K	1071219	
			NO		Triple sensing range	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				
		Standard	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-06BNOZW2S	1071225
	Male connector M12, 4-pin					IME12-06BNOZC0S	1071229	
	NO			Triple sensing range		Cable, 3-wire, 2 m	IME12-06BNSZW2S	1071224
						Male connector M12, 4-pin	IME12-06BNSZC0S	1071228
	PNP		NC	Triple sensing range	Cable, 3-wire, 2 m	IME12-06BPOZW2S	1071223	
					Male connector M12, 4-pin	IME12-06BPOZC0S	1071227	
			NO		Triple sensing range	Cable, 3-wire, 2 m	IME12-06BPSZW2S	1071222
						Male connector M12, 4-pin	IME12-06BPSZC0S	1071226

- **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	NO	Cable, 2-wire, 2 m	IME12-02BDSZY2S	1069022

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
4 mm	Short-body	NC	Cable, 2-wire, 2 m	IME12-04BDOZY2K	1109634
		NO	Cable, 2-wire, 2 m	IME12-04BDSZY2K	1072274
	Standard	NC	Cable, 2-wire, 2 m	IME12-04BDOZY2S	1068254
			Male connector M12, 4-pin	IME12-04BDOZC0S	1067200
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME12-04BDSZQ9S	1068718
	Cable, 2-wire, 2 m		IME12-04BDSZY2S	1068255	
	Male connector M12, 4-pin		IME12-04BDSZC0S	1067178	

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

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
8 mm	Standard	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	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

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.		
		PNP	NC	Cable, 3-wire, 3 m	IME18-05BNSZW3K	1047511		
				Male connector M12, 4-pin	IME18-05BNSZC0K	1040941		
				Cable, 3-wire, 2 m	IME18-05BPOZW2K	1040939		
				Cable, 3-wire, 5 m	IME18-05BPOZW5K	1043474		
				Male connector M12, 4-pin	IME18-05BPOZC0K	1040937		
				Cable, 3-wire, 2 m	IME18-05BPSZW2K	1040935		
		Cable, 3-wire, 5 m	IME18-05BPSZW5K	1042722				
		Male connector M12, 4-pin	IME18-05BPSZC0K	1040933				
		Standard	NPN	NC	Cable, 3-wire, 2 m	IME18-05BNOZW2S	1040948	
					Cable, 3-wire, 5 m	IME18-05BNOZW5S	1048309	
					Male connector M12, 4-pin	IME18-05BNOZC0S	1040946	
					NO	Cable, 3-wire, 2 m	IME18-05BNSZW2S	1040944
						Male connector M12, 4-pin	IME18-05BNSZC0S	1040942
						PNP	NC	Cable, 3-wire, 2 m
	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			
	8 mm		Short-body	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2K	1040979
		Male connector M12, 4-pin				IME18-08BNOZC0K	1040977	
		NO				Cable, 3-wire, 2 m	IME18-08BNSZW2K	1040975
						Cable, 3-wire, 3 m	IME18-08BNSZW3K	1054020
						Male connector M12, 4-pin	IME18-08BNSZC0K	1040973
		PNP		NC	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BPOZQ9K	1084644	
					Cable, 3-wire, 2 m	IME18-08BPOZW2K	1040971	
Cable, 3-wire, 3 m					IME18-08BPOZW3K	1054086		

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Connection type	Type	Part no.		
			NO	Cable, 3-wire, 5 m	IME18-08BPOZW5K	1044534		
				Male connector M12, 4-pin	IME18-08BPOZC0K	1040969		
				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			
			Standard	NPN	NC	Cable, 3-wire, 2 m	IME18-08BNOZW2S	1040980
						Male connector M12, 4-pin	IME18-08BNOZC0S	1040978
					NO	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					
	NO	Cable, 3-wire, 2 m	IME18-08BPSZW2S	1040968				
		Cable, 3-wire, 5 m	IME18-08BPSZW5S	1048156				
		Male connector M12, 4-pin	IME18-08BPSZC0S	1040966				
		IME18-08BPSZC0SS11	1051972					

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
5 mm	Short-body	PNP	Complementary	Male connector M12, 4-pin	IME18-05BPPZC0K	1092476
	Standard	PNP	Complementary	Male connector M12, 4-pin	IME18-05BPPZC0S	1046743
8 mm	Short-body	PNP	Complementary	Male connector M12, 4-pin	IME18-08BPPZC0K	1089009
	Standard	PNP	Complementary	Cable, 4-wire, 15 m	IME18-08BP-PZWDSS21	1067897
				Male connector M12, 4-pin	IME18-08BPPZC0S	1056708

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

Sensing range S <sub>n</sub>	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
12 mm	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME18-12NNOZW2K	1040995	
					Male connector M12, 4-pin	IME18-12NNOZCOK	1040993	
			NO	-	Cable, 3-wire, 2 m	IME18-12NNSZW2K	1040991	
					Male connector M12, 4-pin	IME18-12NNSZCOK	1040989	
		PNP	NC	-	Cable, 3-wire, 2 m	IME18-12NPOZW2K	1040987	
					Male connector M12, 4-pin	IME18-12NPOZCOK	1040985	
			NO	-	Cable, 3-wire, 2 m	IME18-12NPSZW2K	1040983	
					Male connector M12, 4-pin	IME18-12NPSZCOK	1040981	
		Standard	NPN	NC	-	Cable, 3-wire, 2 m	IME18-12NNOZW2S	1040996
						Male connector M12, 4-pin	IME18-12NNOZCOS	1040994
				NO	-	Cable, 3-wire, 2 m	IME18-12NNSZW2S	1040992
						Male connector M12, 4-pin	IME18-12NNSZCOS	1040990
	PNP		NC	-	Cable, 3-wire, 2 m	IME18-12NPOZW2S	1040988	
					Male connector M12, 4-pin	IME18-12NPOZCOS	1040986	
	NO	-	Cable, 3-wire, 2 m	IME18-12NPSVW2S	1065020			
				IME18-12NPSZW2S	1040984			
			Cable, 3-wire, 5 m	IME18-12NPSZW5S	1048365			
			Male connector M12, 4-pin	IME18-12NPSZCOS	1040982			
					IME18-12NPSZC0SS33	1114517		



Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
20 mm	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				
		Standard	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				
8 mm	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME18-08NNOZW2K	1040963	

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
			NO	-	Male connector M12, 4-pin	IME18-08NNOZC0K	1040961	
					Cable, 3-wire, 2 m	IME18-08NNSZW2K	1040959	
			PNP	NC	-	Male connector M12, 4-pin	IME18-08NNSZC0K	1040957
						Cable, 3-wire, 2 m	IME18-08NPOZW2K	1040955
			NO	-	Male connector M12, 4-pin	IME18-08NPOZC0K	1040953	
					Cable, 3-wire, 2 m	IME18-08NPSZW2K	1040951	
		Cable, 3-wire, 5 m			IME18-08NPSZW5K	1042723		
		Male connector M12, 4-pin			IME18-08NPSZC0K	1040949		
		Standard	NPN	NC	-	Cable, 3-wire, 2 m	IME18-08NNOZW2S	1040964
						Male connector M12, 4-pin	IME18-08NNOZC0S	1040962
						NO	-	Cable, 3-wire, 2 m
				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		

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 4-wire

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
12 mm	Standard	PNP	Complementary	-	Male connector M12, 4-pin	IME18-12NPPZCOS	1044127
20 mm	Short-body	PNP	Complementary	Triple sensing range	Male connector M12, 4-pin	IME18-20NPPZCOK	1096266
8 mm	Standard	PNP	Complementary	-	Male connector M12, 4-pin	IME18-08NPPZCOS	1046894

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **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.
12 mm	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2K	1071249

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.		
			NO	Triple sensing range	Male connector M12, 4-pin	IME18-12BNOZC0K	1071255		
					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	1071247	
						Male connector M12, 4-pin	IME18-12BPOZC0K	1071253	
				NO	-	Triple sensing range	Cable with M12 male connector, 4-pin, 0.3 m	IME18-12BPSZQ9KS24	1081179
							Cable, 3-wire, 2 m	IME18-12BPSZW2K	1071246
			Cable, 3-wire, 3 m				IME18-12BPSZW3K	1092617	
			Cable, 3-wire, 5 m				IME18-12BPSZW5K	1088038	
			Standard	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNOZW2S	1071259
							Male connector M12, 4-pin	IME18-12BNOZC0S	1071263
		NO			Triple sensing range	Cable, 3-wire, 2 m	IME18-12BNSZW2S	1071258	
						Male connector M12, 4-pin	IME18-12BNSZC0S	1071262	
		PNP			NC	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPOZW2S	1071257
							Male connector M12, 4-pin	IME18-12BPOZC0S	1071261
				NO	Triple sensing range	Cable, 3-wire, 2 m	IME18-12BPSZW2S	1071256	
						Male connector M12, 4-pin	IME18-12BPSZC0S	1071260	

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** flush
- **Electrical wiring:** DC 2-wire

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
8 mm	Short-body	NC	Cable, 2-wire, 2 m	IME18-08BDOZY2K	1109636
		NO	Cable, 2-wire, 2 m	IME18-08BDSZY2K	1072277
	Standard	NC	Cable, 2-wire, 2 m	IME18-08BDOZY2S	1068258
			Male connector M12, 4-pin	IME18-08BDOZC0S	1067206
		NO	Cable with M12 male connector, 4-pin, 0.3 m	IME18-08BDSZQ9S	1068719
	Cable, 2-wire, 2 m		IME18-08BDSZY2S	1068259	
	Male connector M12, 4-pin	IME18-08BDSZC0S	1067207		

- **Sub product family:** IME18
- **Cylindrical thread design:** M18
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
12 mm	Standard	NC	Cable, 2-wire, 2 m	IME18-12NDOZY2S	1068260
			Male connector M12, 4-pin	IME18-12NDOZC0S	1067222
		NO	Cable, 2-wire, 2 m	IME18-12NDSZY2S	1068261
			Male connector M12, 4-pin	IME18-12NDSZC0S	1067181

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

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
10 mm	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
	Standard	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
		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
		12 mm	Standard	PNP	NC	Male connector M12, 4-pin
15 mm	Short-body	NPN	NC	Cable, 3-wire, 2 m	IME30-15BNOZW2K	1041043

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.		
			NO	Male connector M12, 4-pin	IME30-15BNOZC0K	1041041		
				Cable, 3-wire, 2 m	IME30-15BNSZW2K	1041039		
				Male connector M12, 4-pin	IME30-15BNSZC0K	1041037		
			PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZU2KS43	1122818	
						IME30-15BPOZW2K	1041035	
					Male connector M12, 4-pin	IME30-15BPOZC0K	1041033	
		NO	NO	Cable, 3-wire, 0.1 m	IME30-15BPSZW7K	1116265		
				Cable, 3-wire, 2 m	IME30-15BPSZW2K	1041031		
				Male connector M12, 4-pin	IME30-15BPSZC0K	1041029		
				IME30-15BPSZC0KS34	1098582			
			Standard	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	
					Cable, 3-wire, 5 m	IME30-15BNSZW5S	1044614	
					Male connector M12, 4-pin	IME30-15BNSZC0S	1041038	
		PNP	NC	Cable, 3-wire, 2 m	IME30-15BPOZW2S	1041036		
				Male connector M12, 4-pin	IME30-15BPOZC0S	1041034		
	NO		NO	Cable, 3-wire, 2 m	IME30-15BPOZU2SS40	1104694		
					IME30-15BPSZW2S	1041032		
			Male connector M12, 4-pin		IME30-15BPSZC0S	1041030		

- **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	Short-body	NPN	NC	-	Cable, 3-wire, 2 m	IME30-15NNOZW2K	1041027
					Male connector M12, 4-pin	IME30-15NNOZC0K	1041025





Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.	
20 mm	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	
		Standard	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
	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	Kopie von IME30-20NPSZW5S	1092691		
	Male connector M12, 4-pin	IME30-20NPSZC0S	1041046					

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
38 mm	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
	Standard	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
		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

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** flush
- **Electrical wiring:** DC 4-wire

Sensing range $S_n$	Housing	Switching output	Output function	Connection type	Type	Part no.
10 mm	Standard	PNP	Complementary	Cable, 4-wire, 15 m	IME30-10BP-PZUDSS27	1073189
15 mm	Short-body	PNP	Complementary	Cable, 4-wire, 2 m	IME30-15BPPZW2K	1057551
	Standard	PNP	Complementary	Cable, 4-wire, 15 m	IME30-15BP-PZUDSS28	1073996
				Male connector M12, 4-pin	IME30-15BPPZCOS	1063923

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **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.	
20 mm	Short-body	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-20BNOZW2K	1071284	
					Male connector M12, 4-pin	IME30-20BNOZCOK	1071288	
			NO		Triple sensing range	Cable, 3-wire, 2 m	IME30-20BNSZW2K	1071283
						Male connector M12, 4-pin	IME30-20BNSZCOK	1071287
		PNP	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-20BPOZW2K	1071282	
					Male connector M12, 4-pin	IME30-20BPOZCOK	1071286	
			NO		Triple sensing range	Cable, 3-wire, 2 m	IME30-20BPSZW2K	1071281
						Male connector M12, 4-pin	IME30-20BPSZCOK	1071285
	Standard	NPN	NC	Triple sensing range	Cable, 3-wire, 2 m	IME30-20BNOZW2S	1071292	
					Male connector M12, 4-pin	IME30-20BNOZCOS	1071296	
			NO		Triple sensing range	Cable, 3-wire, 2 m	IME30-20BNSZW2S	1071291
						Male connector M12, 4-pin	IME30-20BNSZCOS	1071295
		PNP	NC		Triple sensing range	Cable, 3-wire, 2 m	IME30-20BPOZW2S	1071290
						Male connector M12, 4-pin	IME30-20BPOZCOS	1071294
NO	Triple sensing range	Triple sensing range	Cable, 3-wire, 2 m	IME30-20BPSZW2S	1071289			
			Male connector M12, 4-pin	IME30-20BPSZCOS	1071293			

Sensing range $S_n$	Housing	Switching output	Output function	Special features	Connection type	Type	Part no.
22 mm	Standard	PNP	NO	Triple sensing range	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 $S_n$	Housing	Output function	Connection type	Type	Part no.
15 mm	Short-body	NO	Cable, 2-wire, 2 m	IME30-15BDSZY2K	1072343
	Standard	NC	Cable, 2-wire, 2 m	IME30-15BDOZY2S	1068263
			Male connector M12, 4-pin	IME30-15BDOZCOS	1067226
		NO	Cable, 2-wire, 2 m	IME30-15BDSZY2S	1068264
	Male connector M12, 4-pin		IME30-15BDSZCOS	1067183	

- **Sub product family:** IME30
- **Cylindrical thread design:** M30
- **Installation type:** non-flush
- **Electrical wiring:** DC 2-wire

Sensing range $S_n$	Housing	Output function	Connection type	Type	Part no.
20 mm	Standard	NC	Cable, 2-wire, 2 m	IME30-20NDOZY2S	1068266
			Male connector M12, 4-pin	IME30-20NDOZCOS	1067235
		NO	Cable, 2-wire, 2 m	IME30-20NDSZY2S	1068267
			Male connector M12, 4-pin	IME30-20NDSZCOS	1067184

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