



# SureSense

The sure way to detect any object

HYBRID PHOTOELECTRIC SENSORS

**SICK**  
Sensor Intelligence.



### Product description

The SureSense family of photoelectric sensors provides reliable detection of virtually any object in any environment. This versatility allows detection of the very basic to most difficult objects including black, shiny, transparent, varying color and more. SureSense does this by providing best-in-class performance along with an extremely broad offering of sensing options, output types and advanced features. Plus, an intuitive signal strength light bar makes installation and troubleshooting easier than ever. All this cutting edge technology is built into a VISTAL™ housing, which is 9 times stronger than ABS housings.

### At a glance

- The most flexible and complete portfolio of hybrid sensors
- New and intuitive light strip
- Best background suppression in the sector
- Detection of transparent objects with AutoAdapt technology
- VISTAL housing

### Your benefits

- Solve the vast majority of a customer's applications with a single sensor family
- Standardize mounting designs, accessories, set-up procedures and suppliers
- Fast and simple alignment during installation
- Continuous indication of signal strength
- Reliably sense objects of varying colors and materials
- Transparent object detection in tough environments with minimal need for additional cleaning
- Reduce replacement costs and down time due to damages during installation or use
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### Fields of application

- Machines with a wide variety of detection tasks
- Detection of transparent objects
- Detection of objects with a wide variety of colors
- Applications with AC power supply
- Detection of small objects and through small openings
- OEM machine construction (e.g., packaging industry, consumer goods, wood processing, etc.)

## Ordering information

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

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 4 ... 7 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
6.5 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HL18-M1G2AB	1078479		
				HL18-M1G3AA	1072226		
				HL18-M1G3AD	1073696		
				HL18-M1G3AE	1085233		
				HL18-M1G3AH	1088646		
			Cable open end, 3,000 mm	HL18-M1K3AA	1097015		
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HL18-M5B3AA	1071046		
6.5 m	MOSFET, Dark switching	-	Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HL18-M5B3AB	1082055		
	MOSFET, Light switching	-		Cable open end, 2,000 mm	HL18-L1G2AB	1078480	
			HL18-L1G2AG		1088839		
			HL18-L1G3AA		1078488		
			HL18-L1G3AG		1088848		
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HL18-L5B3AA	1077629		
				HL18-L5B3AB	1084526		
				HL18-L5B3AF	1081785		
				HL18-L5B3AH	1086665		
			Cable with connector, Micro (1/2"-20), 4-pin, 2,000 mm	HL18-L5G3AE	1087806		
			NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HL18-N1G2BB	1084762
						HL18-N1G3BA	1075814
						HL18-N1G3BB	1084770
						HL18-N1G3BD	1078524
						HL18-N1G3BH	1087213
					Cable with M12 male connector, 4-pin, 150 mm	HL18-N4B3BA	1080377
	HL18-N4B3BB	1086953					
Male connector M12, 4-pin	HL18-N4A3AA	1070994					
	HL18-N4A3BA	1071748					
	HL18-N4A3BB	1084894					
	HL18-N4A3BC	1088259					
	HL18-N4A3BD	1071771					
	HL18-N4A3BF	1085292					
HL18-N4A3BG	1072065						
HL18-N4A3BH	1079886						

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.			
6.5 m	NPN, Light switching	NPN, Dark switching	Male connector M8, 4-pin	HL18-N3A3BA	1071763			
				HL18-N3A3BB	1084641			
		NPN, Health output	Male connector M8, 4-pin	HL18-W3A3BA	1073691			
	PNP, Dark switching	NPN, Dark switching		Cable open end, 1,000 mm	HL18-A1E3AA	1075726		
					HL18-A1G3AA	1071000		
				Cable open end, 2,000 mm	HL18-A1G3BA	1071752		
					HL18-A1G3BH	1082987		
					HL18-A4B3AE	1092075		
				Cable with M12 male connector, 4-pin, 150 mm	HL18-A4B3BA	1085979		
					HL18-A4B3BH	1082986		
					HL18-A4A2BE	1080595		
				Male connector M12, 4-pin	HL18-A4A3AA	1070993		
					HL18-A4A3AD	1076151		
					HL18-A4A3BA	1071747		
					HL18-A4A3BE	1080715		
					HL18-A4A3BH	1086123		
					HL18-A3A3BA	1071772		
				Male connector M8, 4-pin	Not connected	Cable with connector M8, 3-pin, 150 mm	HL18-A2B3BA	1090938
							HL18-A2B3BB	1094160
							HL18-A2B3BC	1090997
	HL18-A2B3BD	1090936						
	Cable with connector M8, 3-pin, 300 mm	HL18-A2C3BE	1082157					
		PNP, Alarm output	Male connector M12, 4-pin		HL18-J4A3BH	1081856		
PNP, Health output		Male connector M12, 4-pin	HL18-X4A3AA		1094390			
	HL18-X4A3BA		1082932					
6.5 m	PNP, Light switching	NPN, Light switching	Cable open end, 1,000 mm	HL18-B1E3BB	1088137			
				HL18-B1E3BE	1083177			
			Cable open end, 2,000 mm	HL18-B1G3BA	1071765			
				HL18-B1G3BB	1088138			
				HL18-B1G3BE	1083176			

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
			Cable open end, 9,000 mm	HL18-B1Y3BB	1101315		
			Cable with M12 male connector, 4-pin, 150 mm	HL18-B4B2BH	1077094		
				HL18-B4B3BA	1078610		
				HL18-B4B3BE	1079121		
				HL18-B4B3BH	1077132		
			Male connector M12, 4-pin	HL18-B4A3AA	1071006		
				HL18-B4A3AE	1088983		
				HL18-B4A3BA	1071754		
				HL18-B4A3BH	1079905		
			Male connector M8, 4-pin	HL18-B3A3BA	1078533		
				Not connected	Cable with connector M8, 3-pin, 1,000 mm	HL18-P2E3AA	1071051
			HL18-P2E3BA		1071762		
			HL18-P2E3BE		1081369		
			PNP, Light switching	Not connected	Cable with connector M8, 3-pin, 1,000 mm	HL18-P2E3BH	1088045
					Cable with connector M8, 3-pin, 150 mm	HL18-B2B3BD	1090937
		HL18-P2B3AA				1071049	
		HL18-P2B3BA				1071760	
		Cable with connector M8, 3-pin, 300 mm			HL18-P2C3AA	1071050	
					HL18-P2C3BA	1071761	
		PNP, Dark switching			Cable open end, 2,000 mm	HL18-P1G3AA	1071009
	6.5 m	PNP, Light switching	PNP, Dark switching	Cable open end, 2,000 mm	HL18-P1G3BA	1071757	
					HL18-P1G3BD	1071773	
				Cable with M12 male connector, 4-pin, 150 mm	HL18-P4B2BB	1086065	
HL18-P4B3AA					1084038		
HL18-P4B3BA					1078478		

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
				HL18-P4B3BB	1083167		
			Cable with M12 male connector, 4-pin, 300 mm	HL18-P4C3BA	1080351		
			Cable with M8 male connector, 4-pin, 150 mm	HL18-P3B3BA	1082609		
				HL18-P3B3BD	1079778		
				HL18-P3B3BE	1080548		
			Cable with M8 male connector, 4-pin, 300 mm	HL18-P3C3BA	1088537		
			Male connector M12, 4-pin	HL18-P4A2AA	1080683		
				HL18-P4A2BA	1071954		
				HL18-P4A2BB	1081196		
				HL18-P4A2BK	1071462		
				HL18-P4A3AA	1070985		
						HL18-P4A3AAS06	1081580
				PNP, Dark switching	Male connector M12, 4-pin	HL18-P4A3AB	1080461
			PNP, Light switching	PNP, Dark switching	Male connector M12, 4-pin	HL18-P4A3AD	1071007
						HL18-P4A3AE	1092921
		HL18-P4A3AF				1081784	
		HL18-P4A3AG				1088212	
		HL18-P4A3BA				1071743	
		HL18-P4A3BAP01				1084297	
		HL18-P4A3BAS17				1097925	
6.5 m	PNP, Light switching	PNP, Dark switching	Male connector M12, 4-pin	HL18-P4A3BB	1078234		
				HL18-P4A3BC	1091085		
				HL18-P4A3BD	1078751		
				HL18-P4A3BDS14	1091204		
				HL18-P4A3BE	1078823		

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
			Male connector M8, 4-pin	HL18-P4A3BF	1087364		
				HL18-P4A3BG	1071755		
				HL18-P4A3BH	1098007		
				HL18-P4A3BI	1098121		
				HL18-P3A2AA	1088528		
				HL18-P3A2BB	1079074		
				HL18-P3A3AA	1088529		
				HL18-P3A3AD	1078873		
				HL18-P3A3BA	1078532		
				HL18-P3A3BB	1078776		
				HL18-P3A3BD	1071767		
				HL18-P3A3BH	1076627		
		PNP, Health output	Male connector M12, 4-pin	HL18-V4A3AA	1071769		
	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching		Cable with M12 male connector, 4-pin, 150 mm	HL18-F4B3BB	1079109	
					HL18-F4B3BE	1092071	
				Cable with M12 male connector, 4-pin, 2,000 mm	HL18-F4G3BD	1083630	
					Male connector M12, 4-pin	HL18-F4A3AA	1088982
				HL18-F4A3BD		1080328	
				HL18-F4A3BDS20		1102663	
						Male connector M8, 4-pin	HL18-F3A3BD

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 2 ... 4 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
3 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HL18G-M1G3AL	1080322		
				HL18T-M1G3AB	1077659		
			Cable with connector, Micro (1/2"-20), 4-pin, 2,000 mm	HL18G-M5G3AM	1081955		
				HL18G-M5G3AP	1084568		
	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HL18G-N1G3BL	1074764		
				HL18T-N1G3BB	1074768		
			Cable with M12 male connector, 4-pin, 150 mm	HL18T-N4B3BB	1081806		
				HL18T-N4B3BH	1083397		
					Male connector M12, 4-pin	HL18G-N4A3BL	1074765
			3 m	NPN, Light switching	NPN, Dark switching	Male connector M12, 4-pin	HL18G-N4A3BM
HL18T-N4A3BB	1074771						

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
				HL18T-N4A3BF	1085855		
				HL18T-N4A3BG	1086995		
				HL18T-N4A3BH	1083398		
			Male connector M8, 4-pin	HL18G-N3A3BL	1085238		
				HL18G-N3A3BM	1088878		
				HL18G-N3A3BN	1088879		
				HL18G-N3A3BP	1092210		
				HL18T-N3A3AB	1082591		
	PNP, Dark switching	NPN, Dark switching	Cable open end, 2,000 mm	HL18G-A1G3AL	1082073		
				HL18G-A1G3BL	1082038		
			Cable open end, 3,000 mm	HL18T-A1K3BB	1098305		
			Male connector M12, 4-pin	HL18G-A4A3BM	1088546		
				HL18G-A4A3BP	1090238		
				HL18T-A4A3BF	1092798		
				HL18T-A4A3BH	1087971		
			Not connected	Cable with connector M8, 3-pin, 150 mm	HL18G-A2B3AL	1084976	
					HL18G-A2B3BL	1084977	
					HL18G-A2B3BP	1084991	
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HL18G-B4B3BP	1077133		
				Male connector M12, 4-pin	HL18G-B4A3AL	1080257	
			HL18T-B4A3BH		1080225		
			PNP, Light switching		Not connected	Cable with connector M8, 3-pin, 1,000 mm	HL18T-B2E3AB
				HL18G-P2B3BL			1092901
	3 m	PNP, Light switching	Not connected	Cable with connector M8, 3-pin, 2,000 mm	HL18T-P2G3BB	1079923	
PNP, Dark switching					Cable open end, 2,000 mm	HL18G-P1G3AL	1071038
			HL18G-P1G3BL	1071040			
			HL18T-P1G3AB	1071042			
		HL18T-P1G3BB	1074767				



Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
			Cable with M12 male connector, 4-pin, 150 mm	HL18G-P4B3BL	1081918	
				HL18G-P4B3BN	1093458	
				HL18T-P4B3BB	1083488	
			Cable with M8 male connector, 4-pin, 150 mm	HL18T-P3B3BB	1095544	
				Male connector M12, 4-pin	HL18G-P4A3AL	1071036
			HL18G-P4A3BL		1071037	
			HL18G-P4A3BM		1085852	
			HL18T-P4A3AB		1071041	
			HL18T-P4A3BB		1074587	
			HL18T-P4A3BG		1093236	
			HL18T-P4A3BH		1078824	
			Male connector M8, 4-pin	HL18G-P3A3AL	1083544	
				HL18T-P3A3AB	1071043	
				HL18T-P3A3BB	1080597	
				HL18T-P3A3BG	1093149	
		PNP, Health output		Cable open end, 2,000 mm	HL18G-V1G3BL	1072225
					Male connector M8, 4-pin	HL18G-V3A3BL
				HL18G-V3A3BN		1071039
		Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HL18G-F4B3BM	1100283
					Male connector M12, 4-pin	HL18G-F4A3BN

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 7 ... 12 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
12 m	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HL18L-N1G5AB	1080702
12 m	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HL18L-N1G5BA	1074775
				HL18L-N1G5BB	1080703
			Male connector M12, 4-pin	HL18L-N4A5BA	1074774
				PNP, Dark switching	NPN, Dark switching
	HL18L-A4A5BB	1083753			

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HL18L-A4A5BE	1081368
			Cable with M8 male connector, 4-pin, 2,000 mm	HL18L-B4B5BH	1077097
		Not connected	Cable with connector M8, 3-pin, 1,000 mm	HL18L-B3G5BE	1071028
			Cable with connector M8, 3-pin, 1,000 mm	HL18L-B2E5AB	1086094
		PNP, Dark switching	Cable open end, 2,000 mm	HL18L-P1G5AA	1071026
			Cable open end, 2,000 mm	HL18L-P1G5BA	1071027
			Cable with M12 male connector, 4-pin, 150 mm	HL18L-P4B5BB	1079039
			Cable with M8 male connector, 4-pin, 150 mm	HL18L-P3B5BA	1080745
			Male connector M12, 4-pin	HL18L-P4A5AA	1071024
				HL18L-P4A5AE	1082244
	HL18L-P4A5BA			1071025	
	HL18L-P4A5BB			1075008	
	HL18L-P4A5BE	1072411			
	Male connector M8, 4-pin	HL18L-P4A5BH	1084269		
		HL18L-P3A5AA	1082240		
		HL18L-P3A5AE	1082241		
		HL18L-P3A5BA	1082242		
	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable open end, 2,000 mm	HL18L-F1G5BB	1091311
			Male connector M12, 4-pin	HL18L-F4A5BE	1094842

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 12 ... 20 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
20 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HSE18-M1G1AA	1093878

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
	MOSFET, Light switching	-	Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HSE18-M5B1AB	1082360	
				HSE18-L5B1AA	1077632	
	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HSE18-N1G1BB	1091980	
				Male connector M12, 4-pin	HSE18-N4A1BA	1074763
	PNP, Dark switching	NPN, Dark switching	Male connector M12, 4-pin	HSE18-A4A1AA	1078637	
				HSE18-A4A1BA	1082363	
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18-B4B1BA	1078481	
				Male connector M12, 4-pin	HSE18-B4A1BA	1087754
		PNP, Alarm output	Male connector M12, 4-pin	HSE18-G4A1BA	1071955	
				HSE18-G4A1BC	1071015	
				HSE18-G4A1BI	1072410	
		PNP, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18-P4B1BA	1080593	
				Cable with M8 male connector, 4-pin, 150 mm	HSE18-P3B1BA	1078791
				Male connector M12, 4-pin	HSE18-P4A1AA	1075545
					HSE18-P4A1AAS01	1081582
					HSE18-P4A1AB	1088213
	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18-F4B1BA	1083170	
				Male connector M12, 4-pin	HSE18-F4A1BG	1080331

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 12 ... 20 m, 20 ... 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
20 m	PNP, Dark switching	NPN, Dark switching	Cable open end, 1,000 mm	HSE18-A1E1BB	1087284	
	PNP, Light switching	NPN, Light switching	Male connector M12, 4-pin	HSE18-B4A1AA	1078955	
			PNP, Dark switching	Cable open end, 2,000 mm	HSE18-P1G1BA	1071841
		PNP, Health output		Cable with M12 male connector, 4-pin, 150 mm	Male connector M8, 4-pin	HSE18-P3A1BH
			HSE18-V4B1BA		1088428	

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 20 ... 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
25 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HSE18-M1G2AA	1080500
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HSE18-M5B2AA	1071047
				HSE18-M5B2AB	1096726
	MOSFET, Light switching	-	Cable open end, 2,000 mm	HSE18-L1G2AA	1092357
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HSE18-L5B2AA	1084421
				HSE18-L5B2AH	1092712
	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HSE18-N1G2BE	1087236
			Cable with M12 male connector, 4-pin, 150 mm	HSE18-N4B2BA	1078482
	PNP, Dark switching	NPN, Dark switching	Cable open end, 2,000 mm	HSE18-A1G2AA	1070987
				HSE18-A1G2BA	1071744
			Cable open end, 5,000 mm	HSE18-A1P2BA	1094765
			Cable with M12 male connector, 4-pin, 150 mm	HSE18-A4B2BA	1079044
			Male connector M12, 4-pin	HSE18-A4A2AA	1070998
				HSE18-A4A2BA	1071750
				HSE18-A4A2BD	1083150
				HSE18-A4A2BE	1080594
				HSE18-A4A2BH	1081222
	Male connector M8, 4-pin	HSE18-A3A2BA	1078534		
25 m	PNP, Dark switching	NPN, Dark switching	Male connector M8, 4-pin	HSE18-A3A2BH	1088644
		Not connected	Cable with connector M8, 3-pin, 150 mm	HSE18-A2B2BA	1092292
		PNP, Alarm output	Cable with M12 male connector, 4-pin, 5,000 mm	HSE18-J4P2BA	1097792
	PNP, Light switching	NPN, Light switching	Cable open end, 2,000 mm	HSE18-B1G2AA	1070988
HSE18-B1G2BA				1078527	

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
			Male connector M12, 4-pin	HSE18-B4A2AA	1070999		
				HSE18-B4A2BA	1071751		
				Male connector M8, 4-pin	HSE18-B3A2BA	1071766	
					Not connected	Cable with connector M8, 3-pin, 150 mm	HSE18-P2B2BA
		HSE18-P2B2BB	1084439				
		HSE18-P2B2BE	1091097				
		PNP, Dark switching			Cable open end, 2,000 mm	HSE18-P1G2BA	1071842
						Cable with M12 male connector, 4-pin, 150 mm	HSE18-P4B2BA
					HSE18-P4B2BB		1078590
					Cable with M12 male connector, 4-pin, 300 mm	HSE18-P4C2BA	1080357
						Cable with M8 male connector, 4-pin, 150 mm	HSE18-P3B2BA
					Male connector M12, 4-pin		HSE18-P4A2AB
						HSE18-P4A2BA	1080592
						HSE18-P4A2BB	1078931
						HSE18-P4A2BD	1084859
					Male connector M8, 4-pin	HSE18-P3A2BA	1082641
		HSE18-P3A2BB	1080543				
		HSE18-P3A2BE	1085622				
		HSE18-P3A2BH	1083166				
			Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HSE18-F4A2BG	1080330

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** More than 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
60 m	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HSE18L-N1G5BA	1074781
				Cable with M12 male connector, 4-pin, 150 mm	HSE18L-N4B5BA
			Male connector M12, 4-pin		HSE18L-N4A5AA
				HSE18L-N4A5BA	1074778

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
	PNP, Dark switching	NPN, Dark switching	Cable open end, 2,000 mm	HSE18L-A1G5AB	1098799	
				HSE18L-A1G5BA	1084296	
			Male connector M12, 4-pin	HSE18L-A4A5AB	1098800	
				HSE18L-A4A5BA	1080173	
			PNP, Alarm output	Male connector M12, 4-pin	HSE18L-J4A5BH	1088582
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 1,000 mm	HSE18L-B4E5BE	1092526	
				Cable with M8 male connector, 4-pin, 150 mm	HSE18L-B3B5BB	1091976
				Male connector M12, 4-pin	HSE18L-B4A5AA	1071029
			Cable open end, 2,000 mm	HSE18L-P1G5AA	1076166	
				HSE18L-P1G5BA	1074780	
			Cable with M12 male connector, 4-pin, 1,000 mm	HSE18L-P4E5BB	1092525	
				Cable with M12 male connector, 4-pin, 150 mm	HSE18L-P4B5BB	1079186
			Male connector M12, 4-pin	HSE18L-P4A5BA	1074776	
				HSE18L-P4A5BB	1078932	
				HSE18L-P4A5BG	1078565	
			Male connector M8, 4-pin	HSE18L-P3A5AA	1071030	
				HSE18L-P3A5BB	1091335	
			PNP, Health output	Male connector M12, 4-pin	HSE18L-V4A5BA	1099602
					HSE18L-V4A5BB	1089133
Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HSE18L-F4A5BG	1080332		

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Background suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
300 mm	-	-	Male connector M12, 4-pin	HTB18-Z4A2BAD06S07	1092937
				HTB18-M1G2AAD02	1077796
	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HTB18-M1G2AB	1071048

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
	MOSFET, Light switching	-	Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HTB18-M5B2AAD04	1087361	
				HTB18-M5B2AB	1079042	
				HTB18-M5B2AH	1078933	
			Cable with connector, Micro (1/2"-20), 4-pin, 2,000 mm	HTB18-M5G2AB	1079043	
				Cable open end, 2,000 mm	HTB18-L1G2AB	1078980
					HTB18-L1G2AF	1078475
					HTB18-L1G2AG	1078476
				Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HTB18-L5B2AAD04	1080319
					HTB18-L5B2AB	1078825
					HTB18-L5B2AH	1091041
	NPN, Light switching	NPN, Alarm output NPN, Dark switching	Cable with connector, Micro (1/2"-20), 4-pin, 2,000 mm	HTB18-L5G2AB	1080675	
				Cable with connector, Micro (1/2"-20), 4-pin, 300 mm	HTB18-L5C2AH	1090985
			Male connector M12, 4-pin	Cable open end, 1,000 mm	HTB18L-H4A5BB	1085701
					HTB18L-N1E5BB	1091223
				Cable open end, 2,000 mm	HTB18-N1G2AB	1071005
					HTB18-N1G2BB	1073430
					HTB18L-N1G5BB	1074788
				Cable with M12 male connector, 4-pin, 300 mm	HTB18-N4C2BF	1086145
				Cable with M8 male connector, 4-pin, 150 mm	HTB18-N3B2AB	1078545
					HTB18-N3B2BH	1098355
300 mm	NPN, Light switching	NPN, Dark switching	Male connector M12, 4-pin	HTB18-N4A2AAD02	1071022	
				HTB18-N4A2AAD04	1071023	
				HTB18-N4A2AB	1071003	
				HTB18-N4A2BAD02	1074759	
				HTB18-N4A2BAD04	1074760	



Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
			Male connector M8, 4-pin	HTB18-N4A2BB	1073429	
				HTB18-N4A2BH	1079885	
				HTB18L-N4A5BB	1074782	
				HTB18L-N4A5BF	1085418	
				HTB18-N3A2BAD02	1090598	
				HTB18-N3A2BB	1078511	
				HTB18-N3A2BG	1088510	
			HTB18L-N3A5AB	1071033		
			NPN, Health output	Male connector M12, 4-pin	HTB18L-W4A5BB	1085700
			Not connected	Cable with connector M8, 3-pin, 150 mm	HTB18-N2B2BB	1081111
				Cable with connector M8, 3-pin, 300 mm	HTB18L-N2C5BDD02	1078769
					HTB18L-N2C5BG	1078775
			PNP, Dark switching	NPN, Dark switching	Cable open end, 2,000 mm	HTB18-A1G2BB
	Cable with M12 male connector, 4-pin, 1,000 mm	HTB18L-A4E5BB			1096227	
	Cable with M12 male connector, 4-pin, 150 mm	HTB18-A4B2BED02			1083174	
		HTB18-A4B2BH			1086791	
	Male connector M12, 4-pin	HTB18-A4A2AB			1071011	
		HTB18-A4A2BB			1073426	
		HTB18-A4A2BH			1081340	
					HTB18L-A4A5BF	1088547
300 mm	PNP, Dark switching	NPN, Dark switching	Male connector M12, 4-pin	HTB18L-A4A5BH	1083157	
			Male connector M8, 4-pin	HTB18-A3A2BB	1078528	
				HTB18-A3A2BF	1082535	
				HTB18-A3A2BH	1082748	
		Not connected	Cable with connector M8, 3-pin, 150 mm	HTB18-A2B2BB	1094157	

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
	PNP, Light switching	PNP, Alarm output	Male connector M12, 4-pin	HTB18-J4A2AB	1101459
		NPN, Light switching	Cable open end, 2,000 mm	HTB18-B1G2AB	1071013
	HTB18-B1G2BB			1078526	
	HTB18-B1G2BF	1086307			
	HTB18-B1G2BH	1080300			
	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HTB18-B4B2BED02	1087201	
			HTB18-B4B2BED04	1079118	
			HTB18-B4B2BH	1077093	
		HTB18L-B4B5BH	1077096		
		Cable with M12 male connector, 4-pin, 300 mm	HTB18-B4C2BB	1082348	
		Male connector M12, 4-pin	HTB18-B4A2AAD06	1080372	
			HTB18-B4A2AB	1070989	
			HTB18-B4A2AG	1088216	
			HTB18-B4A2BAD02	1078535	
			HTB18-B4A2BAD04	1078536	
	HTB18-B4A2BAD06		1078537		
	HTB18-B4A2BB		1073427		
	HTB18-B4A2BCD02	1085437			
	HTB18-B4A2BED02	1086679			
	HTB18-B4A2BG	1082085			
300 mm	PNP, Light switching	NPN, Light switching	Male connector M12, 4-pin	HTB18-B4A2BH	1080340
				HTB18L-B4A5AAD06	1086851
				HTB18L-B4A5AG	1078770
				HTB18L-B4A5BAD02	1085448
				HTB18L-B4A5BAD04	1079103

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
300 mm	PNP, Light switching	Not connected	Male connector M8, 4-pin	HTB18L-B4A5BB	1081974
				HTB18L-B4A5BG	1078438
				HTB18L-B4A5BH	1080339
			Cable with connector M8, 3-pin, 150 mm	HTB18-B3A2AB	1071019
				HTB18-B3A2BB	1073428
			PNP, Dark switching	Cable open end, 1,000 mm	HTB18-P2B2BH
		HTB18L-P2B5BB			1104069
		Cable open end, 2,000 mm		HTB18-P1E2AAD06	1087471
				HTB18-P1G2AB	1071001
				HTB18-P1G2AF	1071461
				HTB18-P1G2AG	1078474
				HTB18-P1G2BAD06	1086534
				HTB18-P1G2BB	1073432
				HTB18-P1G2BF	1071877
				HTB18L-P1G5BB	1074785
		Cable with M12 male connector, 4-pin, 150 mm	HTB18-P4B2AAD04	1094597	
			HTB18-P4B2AB	1081842	
			HTB18-P4B2BAD02	1078538	
			HTB18-P4B2BAD04	1079040	
		PNP, Dark switching	HTB18-P4B2BB	1078539	
		PNP, Dark switching	HTB18-P4B2BED02	1077092	
			HTB18-P4B2BED04	1091174	
			HTB18L-P4B5BB	1079041	

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
			Cable with M12 male connector, 4-pin, 300 mm	HTB18-P4C2AB	1084161	
				HTB18-P4C2BB	1084160	
				HTB18L-P4C5BB	1080600	
			Cable with M8 male connector, 4-pin, 1,000 mm	HTB18-P3E2BB	1100871	
				Cable with M8 male connector, 4-pin, 150 mm	HTB18-P3B2AB	1080272
					HTB18-P3B2BAD02	1085151
					HTB18-P3B2BAD04	1101372
					HTB18-P3B2BB	1078540
					HTB18-P3B2BED02	1080549
					HTB18-P3B2BED04	1080550
					HTB18-P3B2BED06	1080551
					HTB18-P3B2BH	1080571
					HTB18L-P3B5BH	1084840
					Cable with M8 male connector, 4-pin, 500 mm	HTB18-P3D2BAD02
			Male connector M12, 4-pin	HTB18-P4A2AAD02		1071020
				HTB18-P4A2AAD04	1071021	
				HTB18-P4A2AAD06	1076301	
				HTB18-P4A2AB	1070986	
				HTB18-P4A2ABS02	1082312	
				HTB18-P4A2AF	1078840	
				HTB18-P4A2AG	1081248	
			PNP, Dark switching	Male connector M12, 4-pin	HTB18-P4A2AH	1073295
			300 mm	PNP, Light switching	PNP, Dark switching	Male connector M12, 4-pin
			HTB18-P4A2BAD04	1074758		
			HTB18-P4A2BAD06	1076841		
			HTB18-P4A2BB	1073431		
			HTB18-P4A2BED02	1078821		

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
				HTB18-P4A2BED04	1078822		
				HTB18-P4A2BF	1100237		
				HTB18-P4A2BG	1081734		
				HTB18-P4A2BH	1078819		
				HTB18L-P4A5AAD08	1082387		
				HTB18L-P4A5AB	1071031		
				HTB18L-P4A5AF	1085523		
				HTB18L-P4A5BB	1073611		
				HTB18L-P4A5BF	1085994		
				HTB18L-P4A5BG	1076162		
				HTB18L-P4A5BH	1078820		
				Male connector M8, 4-pin	HTB18-P3A2AB	1071004	
					HTB18-P3A2BAD06	1092209	
					HTB18-P3A2BB	1073433	
					HTB18-P3A2BG	1080813	
					HTB18-P3A2BH	1083165	
					HTB18L-P3A5AB	1082239	
					HTB18L-P3A5BB	1080284	
				PNP, Health output			Male connector M12, 4-pin

- **Device version:** LineSpot
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Background suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
200 mm	PNP, Light switching	NPN, Light switching	Male connector M12, 4-pin	HTE18-B4A4BB	1108434

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Energetic
- **Sensing range max.:** 500 ... 1000 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
600 mm	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HTE18-M1G2AB	1072168
	MOSFET, Light switching	-	Cable open end, 2,000 mm	HTE18-L1G2AH	1073697
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HTE18-L5B2AF	1081783
	NPN, Light switching	NPN, Alarm output	Male connector M8, 4-pin	HTE18-H3A2BF	1073692
	PNP, Dark switching	NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HTE18-A4B2BB	1081683
600 mm	PNP, Dark switching	NPN, Dark switching	Male connector M12, 4-pin	HTE18-A4A2BH	1091742
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HTE18-B4B2BH	1083485
			Male connector M12, 4-pin	HTE18-B4A2BB	1079631
				HTE18-B4A2BF	1079581
			HTE18-B4A2BG	1078718	

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
				HTE18-B4A2BH	1081212	
		Not connected	Cable with connector M8, 3-pin, 150 mm	HTE18-P2B2BB	1092900	
		PNP, Alarm output	Male connector M12, 4-pin	HTE18-G4A2AA	1071014	
				HTE18-G4A2AB	1073477	
				HTE18-G4A2BA	1071759	
		PNP, Dark switching	Cable open end, 2,000 mm	HTE18-P1G2BB	1074756	
				Cable with M12 male connector, 4-pin, 150 mm	HTE18-P4B2BB	1080352
					HTE18-P4B2BH	1081777
				Cable with M12 male connector, 4-pin, 300 mm	HTE18-P4C2BB	1080353
				Cable with M8 male connector, 4-pin, 150 mm	HTE18-P3B2BH	1082313
				Male connector M12, 4-pin	HTE18-P4A2AF	1081782
					HTE18-P4A2BB	1074755
					HTE18-P4A2BH	1082774
				Male connector M8, 4-pin	HTE18-P3A2AE	1083018
					HTE18-P3A2AH	1083858
					HTE18-P3A2BB	1077647
					HTE18-P3A2BH	1084798
		PNP, Health output	Male connector M8, 4-pin	HTE18-V3A2AG	1073690	
		Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HTE18-F4A2BF	1086340
					HTE18-F4A2BH	1086341

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
1,000 mm	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HTE18-M1G1AB	1078477		
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HTE18-M5B1AB	1077630		
	MOSFET, Light switching	-			HTE18-L5B1AB	1077631	
					HTE18-L5B1AH	1089850	
	NPN, Light switching	NPN, Dark switching		Cable open end, 2,000 mm	HTE18-N1G1BB	1078523	
				Male connector M12, 4-pin	HTE18-N4A1AB	1071012	
					HTE18-N4A1BB	1071758	
					HTE18-N4A1BH	1085030	
				Male connector M8, 4-pin	HTE18-N3A1BB	1078529	
				Not connected	Cable with connector M8, 3-pin, 150 mm	HTE18-N2B1BB	1081112
						HTE18-N2B1BH	1081110
				PNP, Dark switching	NPN, Dark switching		Cable open end, 2,000 mm
		HTE18-A1G1BG	1071463				
	Male connector M12, 4-pin	HTE18-A4A1AB	1071008				
		HTE18-A4A1BB	1071756				
	Male connector M8, 4-pin	HTE18-A4A1BH	1081341				
HTE18-A3A1AH		1088070					
1,000 mm	PNP, Dark switching	NPN, Dark switching	Male connector M8, 4-pin	HTE18-A3A1BB	1078530		
				PNP, Light switching	NPN, Light switching	Cable open end, 2,000 mm	HTE18-B1G1BB
		HTE18-B1G1BH	1081802				
	Cable with M12 male connector, 4-pin, 150 mm	HTE18-B4B1BH	1083486				
	Cable with M12 male connector, 4-pin, 2,000 mm	HTE18-B4G1AA	1080807				



Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.		
			Male connector M12, 4-pin	HTE18-B4A1AB	1071002		
				HTE18-B4A1BB	1071753		
				HTE18-B4A1BH	1079906		
			Male connector M8, 4-pin	HTE18-B3A1BB	1078531		
				PNP, Dark switching	Cable open end, 2,000 mm	HTE18-P1G1AB	1070995
						HTE18-P1G1BB	1071749
		PNP, Dark switching	Cable open end, 5,000 mm	Cable with M12 male connector, 4-pin, 150 mm	HTE18-P1P1AB	1088460	
					Cable with M12 male connector, 4-pin, 150 mm	HTE18-P4B1BB	1082652
						HTE18-P4B1BH	1082751
					Cable with M8 male connector, 4-pin, 1,000 mm	HTE18-P3E1BB	1083285
						HTE18-P3B1BB	1094823
					Cable with M8 male connector, 4-pin, 300 mm	HTE18-P3C1BB	1083284
						Male connector M12, 4-pin	HTE18-P4A1AB
					HTE18-P4A1ABS03		1081581
					HTE18-P4A1BB		1071746
					HTE18-P4A1BH		1094885
		Male connector M8, 4-pin	HTE18-P3A1BB	1071764			
			PNP, Health output	Male connector M12, 4-pin	HTE18-V4A1BB	1078750	
		Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable open end, 2,000 mm	HTE18-F1G1BB	1084841	
					HTE18-F1G1BH	1081574	

- **Device version:** Standard
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Foreground suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.	
300 mm	NPN, Light switching	NPN, Dark switching	Cable open end, 2,000 mm	HTF18-N1G2BB	1075809	
				HTF18L-N1G5BB	1075813	
			Male connector M12, 4-pin	HTF18-N4A2BB	1075807	
				HTF18L-N4A5BB	1075811	
			Not connected	Cable with connector M8, 3-pin, 150 mm	HTF18-N2B2BB	1091935
					HTF18L-N2B5AA	1079431
	PNP, Light switching	NPN, Light switching	Male connector M12, 4-pin	HTF18-B4A2BH	1080327	
				NPN, Dark switching	Cable open end, 2,000 mm	HTF18-P1G2AB
		HTF18-P1G2BB	1075808			
		HTF18L-P1G5BB	1075812			
		Cable with M12 male connector, 4-pin, 150 mm	HTF18-P4B2AH	1101929		
			Cable with M8 male connector, 4-pin, 150 mm	HTF18-P3B2BB	1097085	
		Cable with M8 male connector, 4-pin, 2,000 mm		HTF18-P3G2BB	1074590	
			Male connector M12, 4-pin	HTF18-P4A2AB	1071044	
		HTF18-P4A2BB		1075806		
		HTF18L-P4A5BB		1075810		
Male connector M8, 4-pin	HTF18-P3A2BB	1078491				

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 4 ... 7 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.			
6.5 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HL18B-M1G3AA	1101633			
				HL18B-M1G3AH	1106151			
			Cable with connector, Micro (1/2"-20), 4-pin, 150 mm	HL18B-M5B3AH	1110563			
	MOSFET, Light switching	-	Cable open end, 2,000 mm	HL18B-L1G3AA	1101635			
				PNP, Light switching	PNP, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HL18B-P4B3AA	1101632
							Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 2 ... 4 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
3 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HL18BG-F4B3BP	1101631

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 7 ... 12 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
12 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HL18BL-F4B5BH	1101508

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 12 ... 20 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
20 m	MOSFET, Dark switching	-	Cable open end, 2,000 mm	HSE18B-M1G1AA	1101665
	MOSFET, Light switching	-	Cable open end, 2,000 mm	HSE18B-L1G1AA	1101668
	NPN, Light switching	NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18B-N4B1AA	1110564
	PNP, Light switching	PNP, Dark switching		HSE18B-P4B1AA	1101664
				HSE18B-P4B1BA	1101494

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 20 ... 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
25 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18B-F4B2BH	1101496

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** More than 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
60 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HSE18BL-F4B5BH	1101630

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Background suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
300 mm	MOSFET, Dark switching	–	Cable open end, 2,000 mm	HTB18B-M1G2AB	1105099
	PNP, Light switching	NPN, Light switching	Cable with M12 male connector, 4-pin, 150 mm	HTB18BL-B4B5BB	1101510
		PNP, Dark switching		HTB18B-P4B2AAD02	1101660
	HTB18B-P4B2AAD04	1101662			
	HTB18B-P4B2AB	1101658			
	HTB18B-P4B2BAD02	1101429			
	HTB18B-P4B2BAD04	1101434			
	HTB18B-P4B2BB	1101426			

- **Device version:** Bottom Mount
- **Mounting system type:** M18, nose / M18, base / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Energetic
- **Sensing range max.:** 500 ... 1000 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
600 mm	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HTE18B-F4B2BH	1101407
1,000 mm	MOSFET, Dark switching	–	Cable open end, 2,000 mm	HTE18B-M1G1AB	1101653
	MOSFET, Light switching	–	Cable open end, 2,000 mm	HTE18B-L1G1AB	1101656
				HTE18B-L1G1AH	1110562
	PNP, Light switching	PNP, Dark switching	Cable with M12 male connector, 4-pin, 150 mm	HTE18B-P4B1AB	1101637
				HTE18B-P4B1BB	1101406

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 4 ... 7 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
6.5 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Cable open end, 2,000 mm	HL18-F1G3BLA00	1100054
			Male connector M12, 4-pin	HL18-F4A2BLA00	1106667
				HL18-F4A3BLA00	1100049
			Male connector M8, 4-pin	HL18-F3A3BLA00	1100053

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 2 ... 4 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
3 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HL18G-F4A3BLA00	1100056

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric retro-reflective sensor, Dual lens
- **Sensing range max.:** 7 ... 12 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
12 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HL18L-F4A5BLA00	1100057
			Male connector M8, 4-pin	HL18L-F3A5BLA00	1100060

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 12 ... 20 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
20 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HSE18-F4A1BLA00	1100062

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** 20 ... 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
25 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HSE18-F4A2BLA00	1100061

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Through-beam photoelectric sensor
- **Sensing range max.:** More than 45 m

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
60 m	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HSE18L-F4A5BLA00	1100063

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Background suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
300 mm	PNP, Light switching	PNP, Dark switching	Cable open end, 2,000 mm	HTB18-P1G2BLA00	1100040
			Male connector M12, 4-pin	HTB18-P4A2BLA00	1100034
			Male connector M8, 4-pin	HTB18-P3A2BLA00	1100039
	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HTB18L-F4A5BLA00	1100042
			Male connector M8, 4-pin	HTB18L-F3A5BLA00	1100045

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Energetic
- **Sensing range max.:** 500 ... 1000 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
600 mm	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HTE18-F4A2BLA00	1100047
1,000 mm	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HTE18-F4A1BLA00	1100048

- **Device version:** IO-Link
- **Communication interface:** IO-Link
- **Mounting system type:** M18, nose / side (24.1 ... 25.4 mm)
- **Sensor/ detection principle:** Photoelectric proximity sensor, Foreground suppression
- **Sensing range max.:** 150 ... 500 mm

Sensing range	Switching output Q1	Switching output Q2	Connection type	Type	Part no.
300 mm	PNP, Light switching	PNP, Dark switching	Male connector M12, 4-pin	HTF18-P4A2BLA00	1100041
	Push-pull: PNP/ NPN, Light switching	Push-pull: PNP/ NPN, Dark switching	Male connector M12, 4-pin	HTF18L-F4A5BLA00	1100046

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