

S5N





(*) Stainless steel models. ATEX II 3DG

COLONIA STATE

EXTENDED RANGE OF STANDARD "ONE FOR ALL" PHOTOELECTRIC TUBULAR M18 SENSORS

- All optic functions
- Improved EMI immunity
- Improved ambient light immunity
- Improved laser safety level
- M18 flat plastic with universal mounting
- Short plastic housing models
- · Available in M18 metal housing
- · Stainless steel housing models
- Axial or radial optics, cable or connector
- Standard 4-wire NO-NC NPN or PNP output
- M12 pigtail models available
- IO-Link connectivity V1.1 with double channel

APPLICATIONS

- Processing and Packaging machinery
- · Conveyor lines, material handling
- Ceramics intralogistics
- · Automated warehousing

	S5N		
Through beam	025 m (S5N-PP/NN; S5N-Px/MxPK/NK models) 020 m (S5N-SA/NA models) 060 m (class 1 LASER S5NPP/NN models)		
Retroreflective (on R2 reflector)		0,14 m (S5N-PP/NN; S5N-Px/MxPK/NK models)	
Polarized retroreflective (on R2 reflector)	0,13m (S5N-Px/MxPK/NK models) 0,14 m (S5NPP/NN; S5N-SA/NA models) 0,116 m (class 1 LASER S5NPP/NN models)		
Retroreflective for transparent (on R2 reflector)		0,10,8 m (S5N-SA/NA) 0,11,3 m (S5NPP/NN models)	
Diffuse proximity		short distance 0100 mm (all models) medium distance 0400 mm (S5NPP/NN models) medium distance 0350 (S5N-SA/NA models) medium distance 0450 (S5N-Px/MxPK/NK models) long distance 0700 amm (S5NPP/NN models) long distance Laser 0350 mm (S5NPP/NN models)	
Fixed focus	50 mm (S5N-SA/NA models) 100 mm (S5NPP/NN models)		
Background suppression		40120 mm (S5N-SA/NA models) 50150 mm (S5NPP/NN models)	
Through beam with fiber optic		0100 mm (S5NPP/NN models)	
Diffuse proximity with fiber optic		030 mm (S5NPP/NN models)	
Contrast sensor		10 ±2 mm (S5NPP/NN models)	
Luminescence sensor		020 mm (S5NPP/NN models)	
	Vdc	1030 V	
Power supply	Vac		
	Vac/dc		
	PNP NPN	•	
Output	NPN/PNP	•	
output	relay		
	other	IO-Link v 1.1	
	cable	•	
Connection	connector pig-tail	•	
	•		
Approximate dimensions (mm)		M18 x (see mechanical drawings)	
Housing material		PBT, Nickel plated Brass (S5N-PP/NN; S5N-Px/MxPK/NK models ABS, AISI 316 L Stainless steel inox (S5N-SA/NA models)	
Mechanical protection		IP67 (S5N-PP/NN; S5N-Px/MxPK/NK models) IP65 - IP67 - IP69K (S5N-SA/NA)	

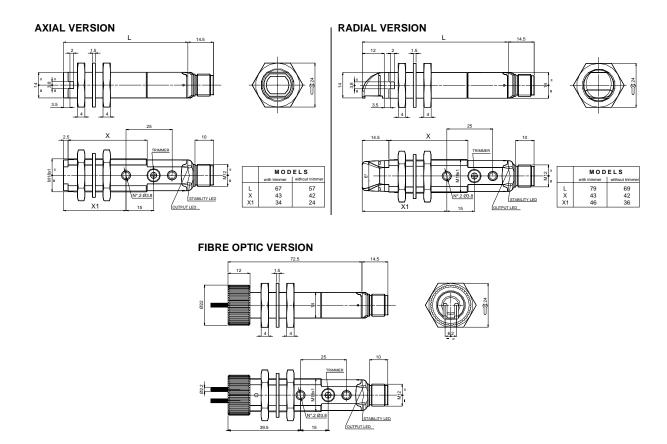
TECHNICAL DATA

Power supply	10 30 Vdc (limit values all models)				
Ripple	2 Vpp max. (all models)				
Consumption (output current excluded)	35 mA max. (all models)				
	red LED 630 nm (mod. S5ND00/E01, S5N-PA/MAM03)				
	red LED 660 nm (mod. S5NB01PP/NN/PK/NK; S5NT01PP/NN) - (mod. S5N-SA/NAB/D/T/M)				
	red LED 670 nm (mod. S5N-PS/MSM03PP/NN)				
ight emission	IR LED 880 nm - (mod. S5N-Px/MxA00/C01/C10/C21/G00PP/NN/PK/NK) - (mod. S5N-SA/NAA/C/G				
	white LED 400-700 nm (mod. S5NW03PP/NN)				
	UV LED 370 nm (mod. S5NU03PP/NN)				
	red Laser 650 nm (mod. S5N-PH/PLG00/B01/C01PP/NN)				
	sensivity trimmer 270° and without trimmer model (see mech drawings)				
Setting	4 turns sensitivity trimmer (mod. S5N-Px/MxM01PK/NK)				
	teach-in push-button (mod. S5NM03/W03/U03PP/NN)				
	LIGHT mode on N.O. output / DARK mode on N.C. output (mod.S5NC01/C10/C21/D00/M03/U03PP/NN				
	DARK mode on N.O. output / LIGHT mode on N.C. output (mod.S5NA00/B01/E01/F01/T01/W03PP/NN				
o	L/D input white wire or pin 2, if pin not connected on S5N-Px/MxPK/NK:				
Operating mode	LIGHT mode (mod. S5N-Px/MxC/D/MPK/NK)				
	DARK mode (mod. S5N-Px/MxA/B/T/FPK/NK)				
	white wire or pin 2 connected to: 0 V DARK mode, +Vcc LIGHT mode				
	yellow OUTPUT LED (S5N, excl. mod. G00)				
Indicators	green STABILITY LED (mod. S5NB01/C01/C21/E01/F01/W03/U03), POWER LED (mod. S5NG00)				
	green/red READY/ERROR LED (mod. S5NM03PP/NN)				
	PNP or NPN; NO; NC (mod. S5NPP/NN)				
Output	PNP or NPN (mod. S5N-Px/MxPK/NK)				
	I0-Link v 1.1 (mod.S5N0Z)				
	(mod.S5N0Z) v 1.1, com 2, 38,4 kBaud, 32 bit process data,				
O-Link interface	5 ms cycle time LED emission model, 8 ms cycle time LASER emission model				
Output current	100 mA max. (all models)				
Saturation voltage	2 V max. (all models)				
Suturation voltage	0,5 ms (mod. S5NA00/B01/T01/C10/C21/C01/D00/E01/U03PP/NN) - (mod. S5N-Px/MxD00PK/NK				
	2 ms (mod. S5NF01/G00PP/NN) - (mod. S5N-Px/MxF00PK/NK)				
Pagnanas tima					
Response time	1 ms (mod. S5NM03PP/NN) - (mod. S5N-Px/MxA/B/C/T/MPK/NK)				
	100 μs (mod. S5NW03PP/NN)				
	333 µs (mod. S5N-PH/PLPP/NN Laser emission models)				
	1 kHz (mod. S5NA00/B01/T01/C10/C21/C01/D00/E01/U03PP/NN) - (mod. S5N-Px/MxD00PK/NK				
- 54	250 Hz (mod. S5NF01/G00PP/NN) - (mod. S5N-Px/MxF00PK/NK)				
Switching frequency	500 Hz (mod. S5NM03PP/NN) - (mod. S5N-Px/MxA/B/C/T/MPK/NK)				
	100 μs (mod. S5NW03PP/NN)				
	333 µs (mod. S5NPP/NN Laser emission models)				
Connection	M12 4-pole connector, 2 m cable Ø 4 mm, 150 mm length Ø 4 mm cable with M12 4-pole connector				
Dielectric strength	500 Vac, 1 min between electronics and housing				
Insulating resistance	>20 MΩ, 500 Vdc between electronics and housing				
Electrical protection	class 2				
Mechanical protection	IP67 (S5N-PP/NN; S5N-Px/MxPK/NK models) IP65 - IP67 - IP69K (S5N-SA/NA)				
Ambient light rejection	according to EN 60947-5-2				
Vibrations	0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6)				
Shock resistance	11 ms (30 G) 6 shock for every axis (EN60068-2-27)				
	PBT, Nickel plated Brass (S5N-Px/MxPP/NN/PK/NK models)				
Housing material	ABS, AISI 316 L Stainless steel inox (S5N-SA/NA models)				
Lens material	PMMA (all models)				
Lond material	-25 55 °C				
Operating temperature	-25 55 °C (Laser mod.) -10 50 °C				
Storage temperature					
Storage temperature	-25 70 °C				
Weight	Plastic version 75 g max. cable vers. (90 g max. mod. M03), 25 g max. conn. vers. (40 g max. mod. M03)				

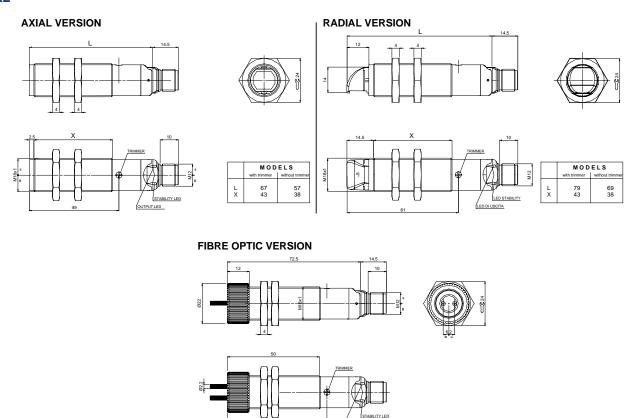
DIMENSIONS

S5N...NN/PP MODELS

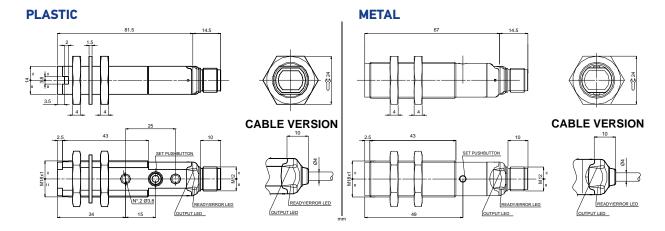
PLASTIC

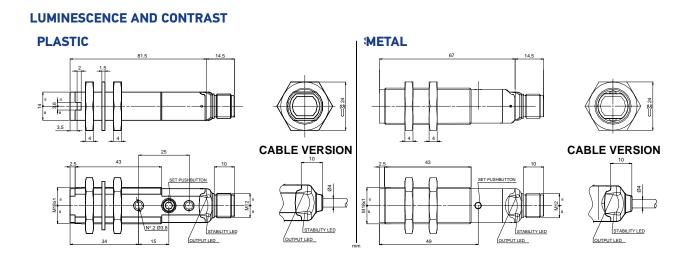


METAL



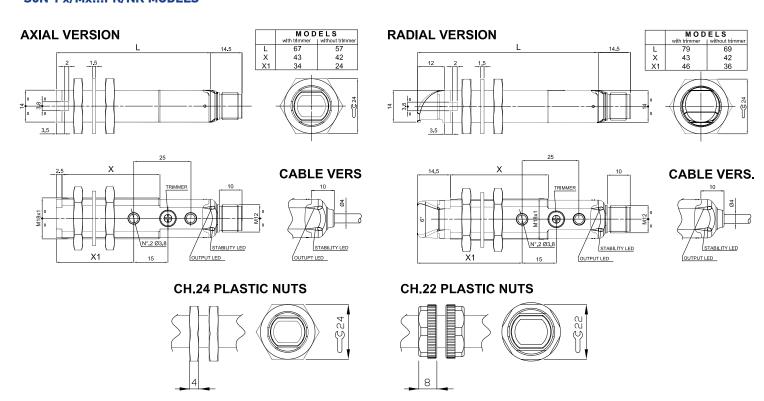
BACKGROUND SUPPRESSION AXIAL VERSION

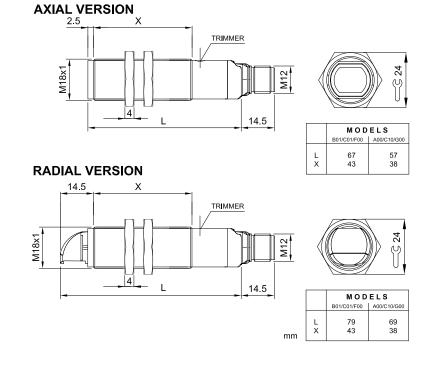


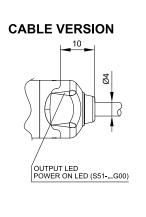


DIMENSIONS

S5N-Px/Mx...PK/NK MODELS



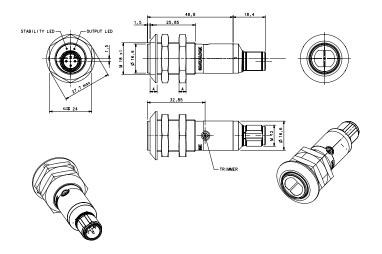




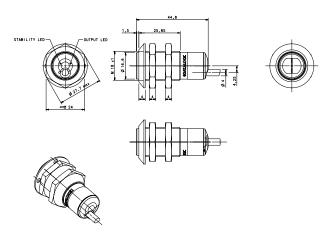
S5N-SA MODELS

PLASTIC

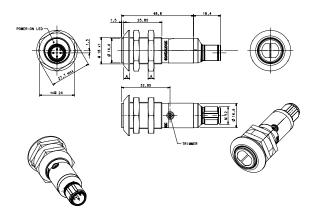
M12 connector version



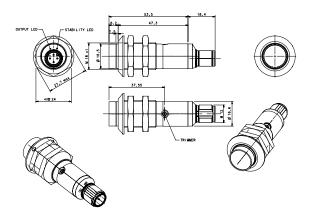
Cable version



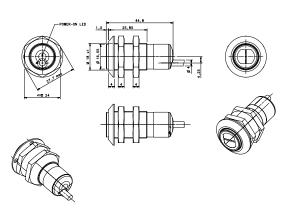
Through beam emitter - M12 connector version



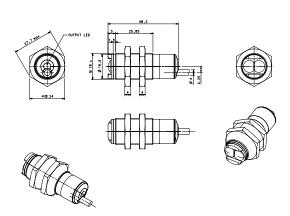
Background suppression - M12 connector version



Through beam emitter - cable version



Diffuse proximity - cable version

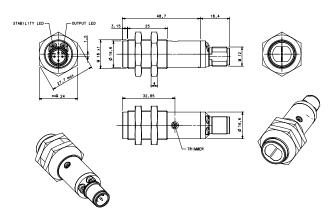


DIMENSIONS

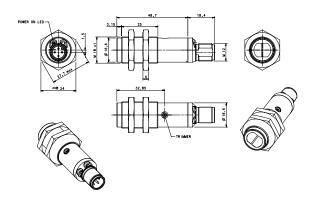
S5N-NA MODELS

STAINLESS STEEL

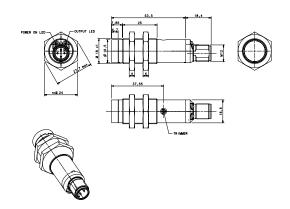
M12 connector version



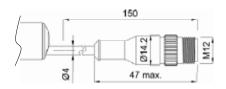
Through beam emitter - M12 connector version



Background suppression - M12 connector version



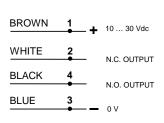
Pig-tail version

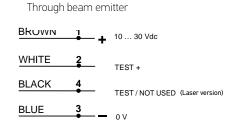


CONNECTIONS

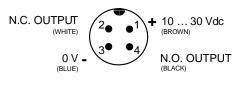
S5N...PP/NN MODELS

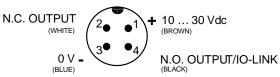






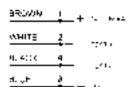
M12 CONNECTOR





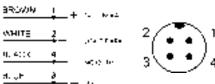
S5N-Px/Mx...PK/NK MODELS

G00 MODEL





A00/B01/C01/C10/C20/F00 MODELS

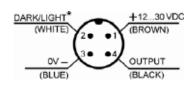


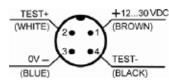
Cable and Pig-tail

M12 connector









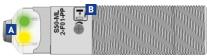
Through beam emitter

INDICATORS AND SETTINGS

S5N...PP/NN MODELS

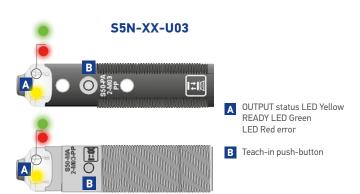
S5N-XX...A00/B01/C01/C21/E01/F01/T01





- OUTPUT status LED Yellow STABILITY LED Green (Only Receiver) POWER ON LED Green (Only Emitter)
- B Adjustment trimmer (receiver)

Single-turn trimmer for sensitivity adjustment. Rotate in a clockwise direction to increase the operating distance.



S5N-XX-M03/W03

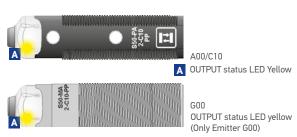


- OUTPUT status LED Yellow READY LED Green
- 0.0
- B Teach-in push-button

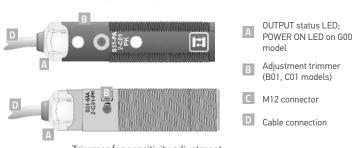
Teach-in button for setting.

EASYtouchTM provides two setting modes: standard or fine, both obtained by pressing the push-button only once. Please refer to instructions manual for operating details.

S5N-XX-A00/C10/D00

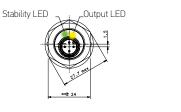


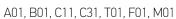
S5N-Px/Mx...PK/NK MODELS

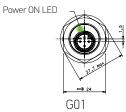


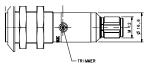
Trimmer for sensitivity adjustment. Rotate in a clockwise direction to increase the operating distance.

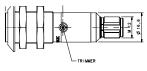
Plastic/metal case with trimmer, M12 connector







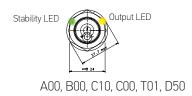


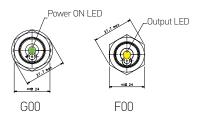






Plastic, no trimmer, Cable, Pig Tail

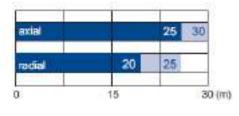




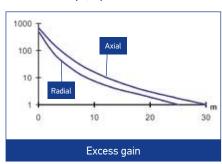
DETECTION DIAGRAMS

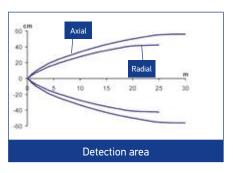
S5N...PP/NN MODELS

THROUGH BEAM (G/F) INFRARED EMISSION

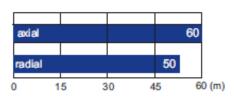


Recommended operating distance Maximum operating distance

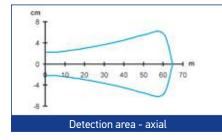


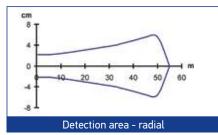


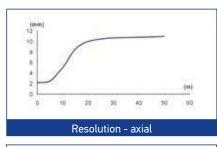
THROUGH BEAM (G/F) LASER RED EMISSION

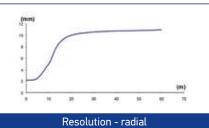


Operating distance

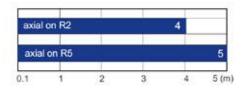




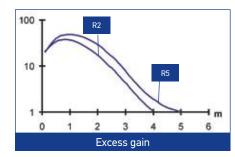


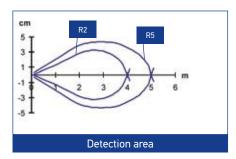


RETROREFLECTIVE (A) INFRARED EMISSION

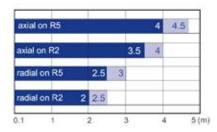


Operating distance



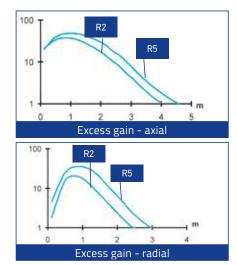


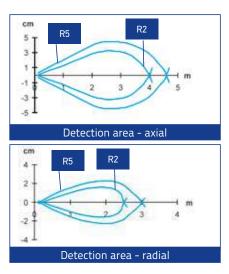
RETROREFLECTIVE POLARIZED (B) RED EMISSION



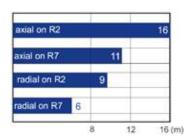
Recommended operating distance
Maximum operating distance

High efficiency reflectors can be used to obtain larger operating distances.
Refer to **Reflectors** (A.01).





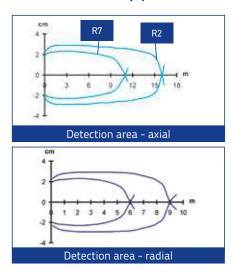
RETROREFLECTIVE POLARIZED (B) LASER RED EMISSION

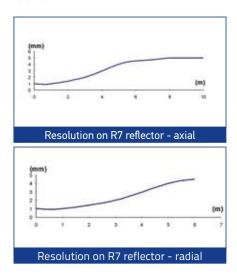


Operating distance

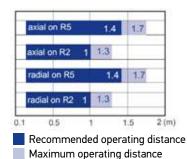
High efficiency reflectors can be used to obtain larger operating distances.

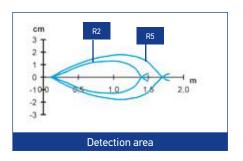
Refer to Reflectors (A.01).





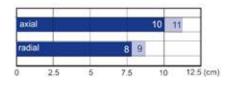
RETROREFLECTIVE TRANSPARENT (T) RED EMISSION



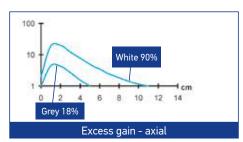


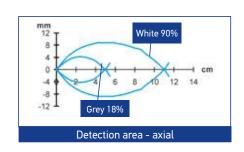
High efficiency reflectors can be used to obtain larger operating distances. Refer to **Reflectors**.

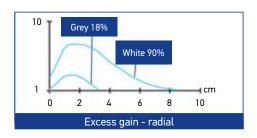
ENERGETIC DIFFUSED (C) SHORT INFRARED EMISSION

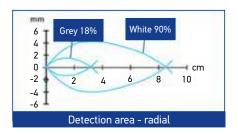


Recommended operating distance
Maximum operating distance

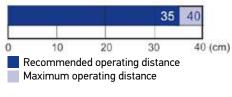


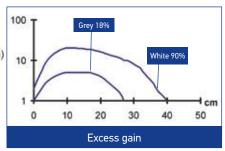


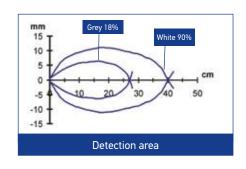




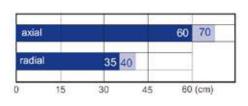
ENERGETIC DIFFUSED (C) MID INFRARED EMISSION





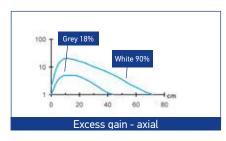


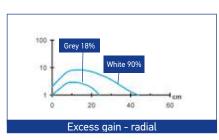
ENERGETIC DIFFUSED (C) LONG INFRARED EMISSION

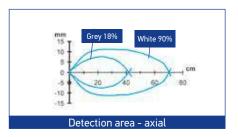


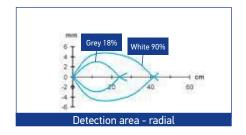
Recommended operating distance
Maximum operating distance

12



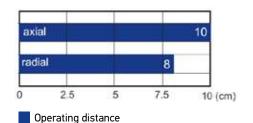


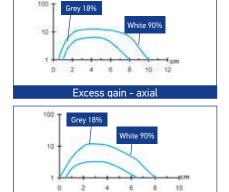




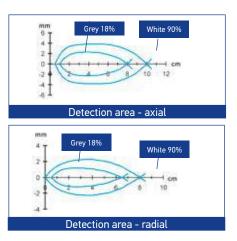
CATALOG | Photoelectric Sensors

FIXED FOCUS (D) RED EMISSION

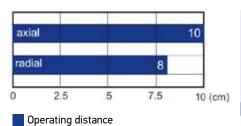


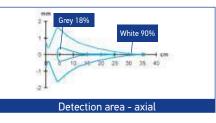


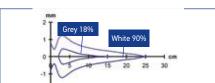
Excess gain - radial



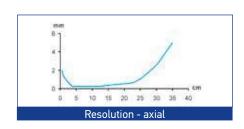
DIFFUSED (C) LASER RED EMISSION

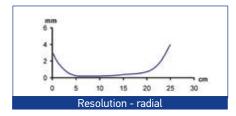




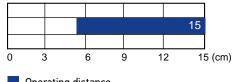


Detection area - radial

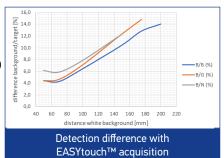


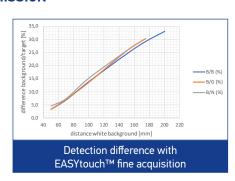


BACKGROUND SUPPRESSOR (M) AXIAL RED EMISSION

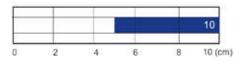


Operating distance

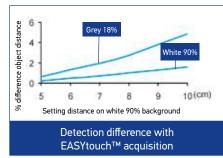


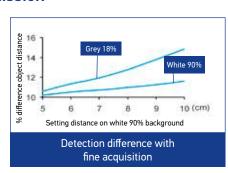


BACKGROUND SUPPRESSOR (M) RADIAL RED EMISSION

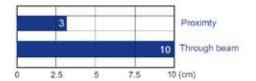


Operating distance





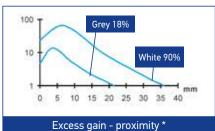
FIBER OPTIC (E) RED EMISSION

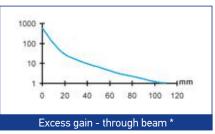


Operating distance with standard fibers

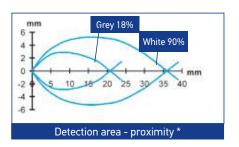
Standard Fiber-optics: 0F-42-ST-20 proximity 0F-43-ST-20 through beam

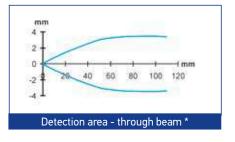
High efficiency fiber-optics or accessory lenses can be used to obtain larger operating distances.



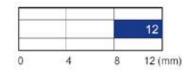


^{*} standard Fiber-optics

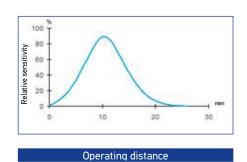




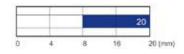
MARK READER (W) WHITE EMISSION



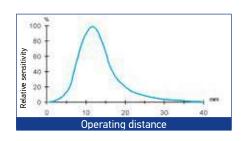
Operating distance



LUMINESCENCE (U) UV EMISSION

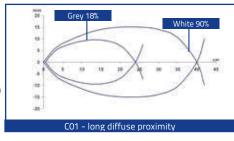


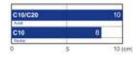
Operating distance

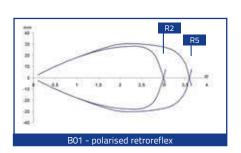


S5N...PK/NK MODELS

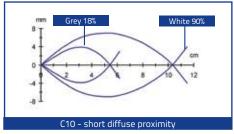


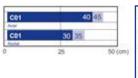


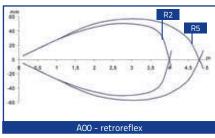


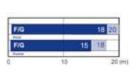


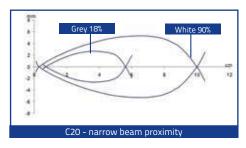










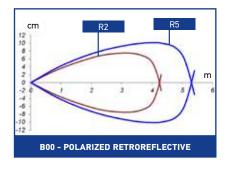


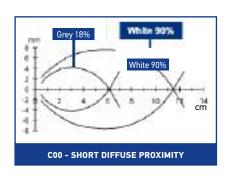


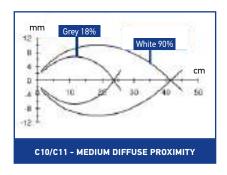
Maximum operating distance

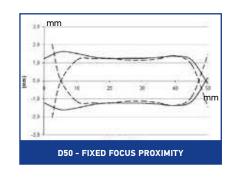
Note: the diagrams indicate the detection area typical of the axial optic versions; the maximum operating distance of the radial optic versions decreases as indicated in the tables given below

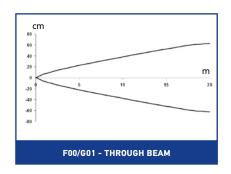
S5N-SA/NA MODELS

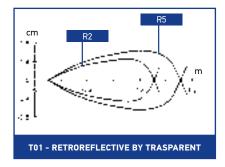


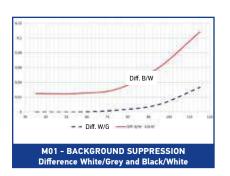












MODEL SELECTION AND ORDER INFORMATION

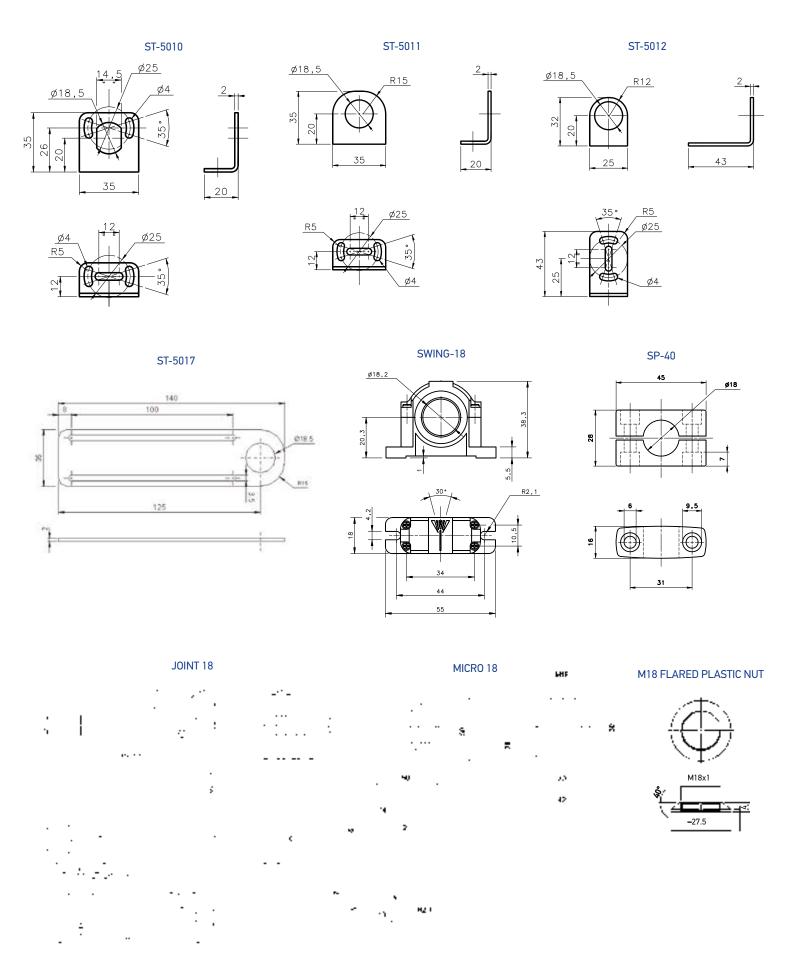
OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER
		2m Cable	NPN	S5N-PA-2-A00-NN	952002
Retroreflective	_		PNP NPN	S5N-PA-2-A00-PP S5N-PA-5-A00-NN	952002 952002
		M12 Connector	PNP	S5N-PA-5-A00-PP	952002
	LED, Axial optic	2m Cable	NPN	S5N-PA-2-B01-NN	952001
		Zm Cable	PNP	S5N-PA-2-B01-PP	952001
		14100	NPN	S5N-PA-5-B01-NN	952001
		M12 Connector	PNP (O.Link	S5N-PA-5-B01-PP S5N-PA-5-B01-OZ	952001 952002
		0 0 11	NPN	S5N-PR-2-B01-NN	952001
	LED, Radial optic	2m Cable	PNP	S5N-PR-2-B01-PP	952001
	LED, Radial Optic	M12 Connector	NPN	S5N-PR-5-B01-NN	952001
Polarized retroreflective		19112 COTTRICCTOR	PNP	S5N-PR-5-B01-PP	952001
		2m Cable	NPN PNP	S5N-PL-2-B01-NN S5N-PL-2-B01-PP	952001 952001
	LASER, Axial optic		NPN	S5N-PL-5-B01-NN	952001
		M12 Connector	PNP	S5N-PL-5-B01-PP	952001
			⊘ IO -Link	S5N-PL-5-B01-0Z	952002
		2m Cable	NPN PNP	S5N-PH-2-B01-NN S5N-PH-2-B01-PP	952001 952001
	LASER, Radial optic		NPN	S5N-PH-5-B01-NN	952001
		M12 Connector	PNP	S5N-PH-5-B01-PP	952001
		2m Cable	NPN	S5N-PA-2-C01-NN	952001
	LED A : L ::	ZIII Gabic	PNP	S5N-PA-2-C01-PP	952001
	LED, Axial optic	M12 Connector	NPN PNP	S5N-PA-5-C01-NN S5N-PA-5-C01-PP	952001 952001
		M12 Connector	② IO -Link	S5N-PA-5-C01-0Z	952002
		2m Cable	NPN	S5N-PR-2-C01-NN	952001
	LED, Radial optic	ZM Cable	PNP	S5N-PR-2-C01-PP	952001
	LLD, reduce optic	M12 Connector	NPN	S5N-PR-5-C01-NN	952001
Long Diffuse proximity			PNP NPN	S5N-PR-5-C01-PP S5N-PL-2-C01-NN	952001 952001
		2m Cable	PNP	S5N-PL-2-C01-NN	952001
	LASER, Axial optic		NPN	S5N-PL-5-C01-NN	952001
		M12 Connector	PNP	S5N-PL-5-C01-PP	952001
			⊘ IO -Link	S5N-PL-5-C01-OZ	952002
		2m Cable	NPN PNP	S5N-PH-2-C01-NN S5N-PH-2-C01-PP	952001 952001
	LASER, Radial optic	1410.0	NPN	S5N-PH-5-C01-NN	952002
		M12 Connector	PNP	S5N-PH-5-C01-PP	952002
		2m Cable	NPN	S5N-PA-2-C10-NN	952001
	LED, Axial optic	ZIII Gabic	PNP	S5N-PA-2-C10-PP	952001
		M12 Connector	NPN PNP	S5N-PA-5-C10-NN S5N-PA-5-C10-PP	952001 952001
Short Diffuse proximity		0 011	NPN	S5N-PR-2-C10-PN	952001
	LED, Radial optic	2m Cable	PNP	S5N-PR-2-C10-PP	952001
	LLD, Italiai Optic	M12 Connector	NPN	S5N-PR-5-C10-NN	952001
			PNP NPN	S5N-PR-5-C10-PP S5N-PA-2-C21-NN	952001 952002
M II DIG		2m Cable	PNP	S5N-PA-2-C21-NN S5N-PA-2-C21-PP	952002
Medium Diffuse proximity		M12 Connector	NPN	S5N-PA-5-C21-NN	952002
	LED, Axial optic	MITZ CONNECTOR	PNP	S5N-PA-5-C21-PP	952002
	, , was optic	2m Cable	NPN	S5N-PA-2-D00-NN S5N-PA-2-D00-PP	952001
			PNP NPN	S5N-PA-2-D00-PP S5N-PA-5-D00-NN	952001 952001
Fire I.C		M12 Connector	PNP	S5N-PA-5-D00-NN	952001
Fixed focus		2m Cable	NPN	S5N-PR-2-D00-NN	952001
	LED, Radial optic	ZIII Cable	PNP	S5N-PR-2-D00-PP	952001
	,	M12 Connector	NPN PNP	S5N-PR-5-D00-NN S5N-PR-5-D00-PP	952001 952001
		0.01:	NPN	S5N-PA-2-E01-NN	952001
Eiber entin		2m Cable	PNP	S5N-PA-2-E01-PP	952001
Fiber optic		M12 Connector	NPN	S5N-PA-5-E01-NN	952001
	LED, Axial optic	PILZ COMMECTOR	PNP	S5N-PA-5-E01-PP	952001
		2m Cable	NPN PNP	S5N-PA-2-F01-NN S5N-PA-2-F01-PP	952001 952001
Through beam receiver		M10.0	NPN	S5N-PA-5-F01-NN	952001
		M12 Connector	PNP	S5N-PA-5-F01-PP	952001
		2m Cable	NPN	S5N-PR-2-F01-NN	952001
	LED, Radial optic	211. 00210	PNP	S5N-PR-2-F01-PP	952001 952001
	·	M12 Connector	NPN PNP	S5N-PR-5-F01-NN S5N-PR-5-F01-PP	952001
		0 C-L1	NPN	S5N-PL-2-F01-NN	952001
Through beam receiver	LASER, Axial optic	2m Cable	PNP	S5N-PL-2-F01-PP	952001
in ough beam receiver	EASEN, Axial Optic	M12 Connector	NPN	S5N-PL-5-F01-NN	952001
			PNP NPN	S5N-PL-5-F01-PP S5N-PH-2-F01-NN	952001 952002
	1.40== =	2m Cable	PNP	S5N-PH-2-F01-PP	952002
	LASER, Radial optic	M12 Canno -t	NPN	S5N-PH-5-F01-NN	952002
		M12 Connector	PNP	S5N-PH-5-F01-PP	952002
	LED, Axial optic	2m Cable	-	S5N-PA-2-G00-XG	952001
		M12 Connector 2m Cable	-	S5N-PA-5-G00-XG S5N-PR-2-G00-XG	952001 952001
	LED, Radial optic	M12 Connector	-	S5N-PR-2-G00-XG S5N-PR-5-G00-XG	952001
Through beam emitter	LACED Assistant	2m Cable	-	S5N-PL-2-G00-XG	952001
	LASER, Axial optic	M12 Connector	-	S5N-PL-5-G00-XG	952001
	LASER, Radial optic	2m Cable	-	S5N-PH-2-G00-XG	952002

	is no control in or in co	IANDARD OUTPUT & TO		(S5N-PAPP/NN/C	
		2m Cable	NPN	S5N-PA-2-M03-NN	95200167
		ZIII Odbic	PNP	S5N-PA-2-M03-PP	95200123
	LED, Axial optic		NPN	S5N-PA-5-M03-NN	95200156
		M12 Connector	PNP	S5N-PA-5-M03-PP	95200100
Background suppression			⊘ IO -Link	S5N-PA-5-M03-0Z	95200223
		M12 Connector	PNP	S5N-PS-5-M03-PP	95200193
	LED, Radial optic		NPN	S5N-PS-5-M03-NN	95200192
	,		PNP	S5N-PS-2-M03-PP	95200191
		2m Cable	NPN	S5N-PS-2-M03-NN	95200190
		ZIII Odbie	NPN	S5N-PA-2-T01-NN	95200169
			PNP	S5N-PA-2-T01-PP	95200126
	LED, Axial optic	M12 Connector	NPN	S5N-PA-5-T01-NN	95200158
			PNP	S5N-PA-5-T01-PP	95200127
Retroreflective for transparent			Q IO-Link	S5N-PA-5-T01-0Z	95200222
		2m Cable	NPN	S5N-PR-2-T01-NN	95200183
	LED, Radial optic	ZIII Cable	PNP	S5N-PR-2-T01-PP	95200128
	LLD, Radiat optic	M12 Connector	NPN	S5N-PR-5-T01-NN	95200177
		M12 Connector	PNP	S5N-PR-5-T01-PP	95200129
		2m Cable	NPN	S5N-PA-2-U03-NN	95200170
Luminescence		ZIII Cable	PNP	S5N-PA-2-U03-PP	95200130
Luminescence		M12 C	NPN	S5N-PA-5-U03-NN	95200159
		M12 Connector	PNP	S5N-PA-5-U03-PP	95200131
	LED, Axial optic	2 C-I-I	NPN	S5N-PA-2-W03-NN	95200171
	, , , ,	2m Cable	PNP	S5N-PA-2-W03-PP	95200132
Contrast			NPN	S5N-PA-5-W03-NN	95200160
		M12 Connector	PNP	S5N-PA-5-W03-PP	95200133
		1-112 CONNECTOR	⊘ IO -Link	S5N-PA-5-W03-PZ	95200224
	- STANDARD PLASTIC HOU	SING - I /D INDUT MOD			, 5250224
	- STAINDARD PLASTIC HOU	SING - L/D HAPOT MOD			05070105
		2m Cable	NPN	S5N-PA-2-A00-NK	95270107
	LED, Axial optic		PNP	S5N-PA-2-A00-PK	95270100
	, / Midt optic	M12 Connector	NPN	S5N-PA-5-A00-NK	95270133
Retroreflective		MIZ COINECTO	PNP	S5N-PA-5-A00-PK	95270126
		2 C-bl-	NPN	S5N-PR-2-A00-NK	95270120
	LED, Radial optic	2m Cable	PNP	S5N-PR-2-A00-PK	95270113
	LLD, Nadiat optic	M12 Connector	PNP		95270139
		M12 Connector		S5N-PR-5-A00-PK	
		2m Cable	NPN	S5N-PA-2-B01-NK	95270108
	LED, Axial optic	ZIII Cable	PNP	S5N-PA-2-B01-PK	95270101
	LED, Axial optic	M12 C	NPN	S5N-PA-5-B01-NK	95270134
Polarized retroreflective		M12 Connector	PNP	S5N-PA-5-B01-PK	95270127
			NPN	S5N-PR-2-B01-NK	95270121
	LED, Radial optic	2m Cable	PNP	S5N-PR-2-B01-PK	95270114
	LLD, Nadial Optic	M12 Connector	PNP		
		M12 Connector		S5N-PR-5-B01-PK	95270140
		2m Cable	NPN	S5N-PA-2-C01-NK	95270109
	LED, Axial optic		PNP	S5N-PA-2-C01-PK	95270102
	EED, 7 Mac optic	M12 Connector	NPN	S5N-PA-5-C01-NK	95270135
Diffuse proximity		MIZ Connector	PNP	S5N-PA-5-C01-PK	95270128
		2m Cable	NPN	S5N-PR-2-C01-NK	95270122
	LED, Radial optic	ZIII Cable	PNP	S5N-PR-2-C01-PK	95270115
		M12 Connector	PNP	S5N-PR-5-C01-PK	95270141
			NPN	S5N-PA-2-C10-NK	95270110
		2m Cable		CENI_DA_2_C10_DK	QE27N1N2
	LED, Axial optic	2m Cable	PNP	S5N-PA-2-C10-PK	
Charl Diff.	LED, Axial optic	2m Cable M12 Connector	PNP NPN	S5N-PA-5-C10-NK	95270136
Short Diffuse proximity	LED, Axial optic		PNP NPN PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK	95270136 95270129
Short Diffuse proximity		M12 Connector	PNP NPN PNP NPN	S5N-PA-5-C10-NK	95270136 95270129 95270123
Short Diffuse proximity	LED, Axial optic		PNP NPN PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK	95270136 95270129 95270123
Short Diffuse proximity		M12 Connector	PNP NPN PNP NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK	95270136 95270129 95270123 95270116
Short Diffuse proximity		M12 Connector	PNP NPN PNP NPN PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK	95270136 95270129 95270123 95270116 95270142
	LED, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK	95270136 95270129 95270123 95270116 95270142 95270112
Short Diffuse proximity Through beam receiver		M12 Connector 2m Cable M12 Connector 2m Cable	PNP NPN PNP NPN PNP PNP NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK	95270136 95270129 95270123 95270116 95270142 95270112 95270138
	LED, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK	95270136 95270129 95270123 95270116 95270142 95270112 95270138 95270131
	LED, Radial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-NK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK	95270136 95270129 95270123 95270116 95270142 95270112 95270138 95270131 95270144
	LED, Radial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable	PNP NPN PNP NPN PNP NPN PNP NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK	95270136 95270129 95270123 95270116 95270142 95270138 95270131 95270144 95200119
	LED, Radial optic LED, Axial optic LED, Radial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG	95270136 95270129 95270123 95270116 95270142 95270113 95270138 95270131 95270144 95200119
	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG	95270136 95270129 95270123 95270116 952701142 95270113 95270138 95270131 95270144 95200119 95200120
Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG	95270136 95270129 95270123 95270116 95270142 95270131 95270138 95270131 95270144 95200119 95200120
	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG	95270136 95270129 95270123 95270116 95270142 95270142 95270138 95270131 95270144 95200119 95200120 95200121
Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic	M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-2-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG	95270136 95270129 95270123 95270116 95270142 95270138 95270138 95270134 95200119 9520012 9520012 95200122
Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic LED, Radial optic LED, Radial optic	M12 Connector 2m Cable	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG	95270136 95270129 95270123 95270114 95270114 95270138 95270131 95270144 95200122 95200122 95200122 95200142
Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-2-G00-XG \$5N-PA-2-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG	95270136 95270129 95270123 95270116 95270112 95270112 95270131 95270131 95270144 95200119 95200120 95200122 95200143 95200143
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-2-G00-XG \$5N-PA-5-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PR-2-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG	95270103 95270129 95270129 95270116 95270114 95270114 95270131 95270131 95270144 95200120 95200121 95200122 95200143 95200206 95200207
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Axial optic LED, Radial optic LED, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-5-G00-XG	95270136 95270129 95270116 95270112 95270112 95270112 95270113 95270131 95270144 95200119 95200120 95200122 95200143 95200143 95200206
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG	95270136 95270129 95270116 95270112 95270112 95270112 95270131 95270131 95270144 95200119 95200120 95200122 95200143 95200143 95200206 95200207
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN PNP PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG	95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200143 95200143 95200143
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG	95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200143 95200143 95200143
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP NPN PNP NPN PNP PNP NPN NPN PNP PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG	95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200143 95200143 95200206 95200101 95200101 95200101 95200101 95200101 95200101
Through beam receiver Through beam emitter S5 Polarized retroreflective	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG S5N-PH-5-G00-XG	95270136 95270129 95270123 95270116 952701142 95270113 95270138 95270131 95270134 95200119 95200122 95200122 95200143 95200105 95200143 95200207
Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PA-2-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-5-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PL-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-PH-5-B00-XG S5N-SA-2-B00-PK S5N-SA-2-B00-PK S5N-SA-2-C00-PK	95270136 95270129 95270123 95270116 952701142 95270113 95270138 95270131 95270134 95200119 95200120 95200122 95200142 95200142 95200143 95200207 95200102 95200102 95200103 95200104 95200105 95200107 95230106 95230107 95230107
Through beam receiver Through beam emitter SS Polarized retroreflective Diffuse proximity	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-2-C00-PK \$5N-SA-2-C00-PK	95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270113 95270144 95200121 95200121 95200122 95200122 95200123 95200207 95230106 95230102 95230102 95230102 95230102 95230102
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable	PNP	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PA-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK	95270136 95270129 95270123 95270112 95270112 95270112 95270112 95270112 95270121 95200122 95200122 95200123 95200124 95200124 95200125 95200127 95230106 95230107 95230107 95230107 95230107 95230107 95230107 95230107
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector	PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-SA-2-C00-XG S5N-SA-2-B00-PK S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK	95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270131 95270144 95200121 95200122 95200122 95200122 95200122 95200143 95200207 95230106 95230101 95230113 95230114 95230114
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable	PNP	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PA-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PR-5-G00-XG \$5N-PR-5-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-2-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-PL-3-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK	95270136 95270129 95270112 95270112 95270112 95270112 95270131 95270131 95270144 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200122 95200123 95200123 95230104 95230104 95230104 95230104 95230112 95230113
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable	PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PH-5-G00-XG S5N-SA-2-C00-XG S5N-SA-2-B00-PK S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK	95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270138 95270131 95200120 95200122 95200122 95200143 95200143 95200206 95230100 95230101 95230112 95230113 95230114 95230114 95230114 95230115
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable	PNP	S5N-PA-5-C10-NK S5N-PA-5-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-2-C10-PK S5N-PR-5-C10-PK S5N-PA-5-F00-NK S5N-PA-5-F00-NK S5N-PA-5-F00-PK S5N-PA-5-F00-PK S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PA-5-G00-XG S5N-PR-2-G00-XG S5N-PR-2-G00-XG S5N-PR-5-G00-XG S5N-PL-2-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-PL-5-G00-XG S5N-SA-2-C00-PK S5N-SA-3-C00-PK S5N-SA-3-C10-PK S5N-SA-3-C10-PK S5N-SA-3-D50-PK	95270136 95270129 95270112 95270112 95270112 95270112 95270112 95270112 95270114 95200121 95200122 95200122 95200122 95200123 95200120 95200120 95230101 95230101 95230101 95230101 95230102 95230103
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector DINPUT MC 2m Cable Pig Tail M12 2m Cable Pig Tail M12	PNP	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-PL-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-F00-PK \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG \$5N-SA-3-G00-XG	95270136 95270129 95270123 95270116 95270114 95270131 95270131 95270144 95200119 95200120 95200121 95200142 95200142 95200142 95200143 95200101 95230101 95230101 95230101 95230112 95230114 95230115 95230114 95230115 95230114
Through beam receiver Through beam emitter S5 Polarized retroreflective Diffuse proximity Short Diffuse proximity Fixed Focus Through beam receiver Through beam emitter	LED, Radial optic LED, Axial optic LED, Radial optic LED, Axial optic LED, Radial optic LASER, Axial optic LASER, Radial optic LASER, Radial optic	M12 Connector 2m Cable M12 Connector Cam Cable Pig Tail M12 2m Cable	PNP NPN PNP NPN PNP PNP NPN NPN NPN NPN	\$5N-PA-5-C10-NK \$5N-PA-5-C10-PK \$5N-PR-2-C10-PK \$5N-PR-2-C10-PK \$5N-PR-5-C10-PK \$5N-PA-5-F00-NK \$5N-PA-5-F00-NK \$5N-PA-5-F00-PK \$5N-PA-5-F00-PK \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-PA-5-G00-XG \$5N-SA-2-B00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C00-PK \$5N-SA-3-C10-PK \$5N-SA-3-C10-PK \$5N-SA-3-F00-PK \$5N-SA-3-F00-PK	95270136 95270129 95270123 95270116 95270112 95270118 95270118 95270131 95270144 95200119 95200120 95200121 95200142 95200142 95200143 95200046 95230101 95230101 95230101 95230114 95230115 95230114 95230115 95230114

S5N - METAL	HOUSING - NO/NC STANDA		MODELS (S5N-		
		0 0 1 1	NPN	S5N-MA-2-A00-NN	952022091
D		2m Cable	PNP	S5N-MA-2-A00-PP	952022081
Retroreflective		14100	NPN	S5N-MA-5-A00-NN	952022111
		M12 Connector	PNP	S5N-MA-5-A00-PP	952022101
	LED, Axial optic	0.011	NPN	S5N-MA-2-B01-NN	952021501
	,	2m Cable	PNP	S5N-MA-2-B01-PP	952021001
			NPN	S5N-MA-5-B01-NN	952021661
		M12 Connector	PNP	S5N-MA-5-B01-PP	952021201
		1-112 doinicetor	② IO -Link	S5N-MA-5-B01-0Z	952022160
			NPN	S5N-MR-2-B01-NN	952021601
		2m Cable	PNP		952021141
	LED, Radial optic			S5N-MR-2-B01-PP	
		M12 Connector	NPN	S5N-MR-5-B01-NN	952021761
Polarized retroreflective			PNP	S5N-MR-5-B01-PP	95202134
		2m Cable	NPN	S5N-ML-2-B01-NN	95202182
			PNP	S5N-ML-2-B01-PP	95202140
	LASER, Axial optic		NPN	S5N-ML-5-B01-NN	95202185
		M12 Connector	PNP	S5N-ML-5-B01-PP	95202144
			IO-Link	S5N-ML-5-B01-0Z	95202218
		2 6-1-1-	NPN	S5N-MH-2-B01-NN	95202195
	LAGED D. II. L	2m Cable	PNP	S5N-MH-2-B01-PP	95202194
	LASER, Radial optic	14400	NPN	S5N-MH-5-B01-NN	95202197
		M12 Connector	PNP	S5N-MH-5-B01-PP	95202196
			NPN	S5N-MA-2-C01-NN	95202151
		2m Cable	PNP	S5N-MA-2-C01-PP	952021011
	LED Avial antia		NPN		95202101
	LED, Axial optic	M10.0		S5N-MA-5-C01-NN	
		M12 Connector	PNP	S5N-MA-5-C01-PP	95202121
			⊘ IO -Link	S5N-MA-5-C01-OZ	952022200
		2m Cable	NPN	S5N-MR-2-C01-NN	95202161
	LED, Radial optic	ZIII GUNTE	PNP	S5N-MR-2-C01-PP	95202115
	LLD, Naulai Optic	M12 Connector	NPN	S5N-MR-5-C01-NN	95202177
Lang Difference : '		MIZ CONNECTOR	PNP	S5N-MR-5-C01-PP	95202135
Long Diffuse proximity		0.011	NPN	S5N-ML-2-C01-NN	95202183
		2m Cable	PNP	S5N-ML-2-C01-PP	95202141
	LASER, Axial optic		NPN	S5N-ML-5-C01-NN	95202186
	LAGEN, Axial optic	M12 Connector	PNP	S5N-ML-5-C01-PP	95202145
		WITZ CONNECTOR	⊘ IO -Link	S5N-ML-5-C01-0Z	95202219
		2m Cable	NPN	S5N-MH-2-C01-NN	95202199
	LASER, Radial optic		PNP	S5N-MH-2-C01-PP	95202198
	, , , , , , , , , , , , , , , , , , , ,	M12 Connector	NPN	S5N-MH-5-C01-NN	95202201
			PNP	S5N-MH-5-C01-PP	95202200
		2m Cable	NPN	S5N-MA-2-C10-NN	95202152
	LED, Axial optic	ZIII Cable	PNP	S5N-MA-2-C10-PP	95202102
	LLD, Axial optic	M12 C	NPN	S5N-MA-5-C10-NN	95202168
Cl . D:ff		M12 Connector	PNP	S5N-MA-5-C10-PP	95202122
Short Diffuse proximity		0.011	NPN	S5N-MR-2-C10-NN	95202162
		2m Cable	PNP	S5N-MR-2-C10-PP	95202149
	LED, Radial optic		NPN	S5N-MR-5-C10-NN	95202178
		M12 Connector	PNP	S5N-MR-5-C10-PP	95202148
			NPN	S5N-MA-2-C21-NN	95202213
		2m Cable			
Medium Diffuse proximity			PNP	S5N-MA-2-C21-PP	95202212
		M12 Connector	NPN	S5N-MA-5-C21-NN	95202215
	LED, Axial optic		PNP	S5N-MA-5-C21-PP	95202214
	-,	2m Cable	NPN	S5N-MA-2-D00-NN	95202153
		2 55516	PNP	S5N-MA-2-D00-PP	95202103
		M12 Connector	NPN	S5N-MA-5-D00-NN	95202169
Fixed focus		MILE COMMECTOR	PNP	S5N-MA-5-D00-PP	95202123
Fixed focus		2 C-L1	NPN	S5N-MR-2-D00-NN	95202163
	155 5 5 1 2	2m Cable	PNP	S5N-MR-2-D00-PP	95202116
	LED, Radial optic		NPN	S5N-MR-5-D00-NN	95202179
		M12 Connector	PNP	S5N-MR-5-D00-PP	95202136
			NPN	S5N-MA-2-E01-NN	95202188
		2m Cable	PNP	S5N-MA-2-E01-NN	95202104
Fiber optic					
•		M12 Connector	NPN	S5N-MA-5-E01-NN	95202189
	LED, Axial optic		PNP	S5N-MA-5-E01-PP	95202124
	, , , , ,	2m Cable	NPN	S5N-MA-2-F01-NN	95202154
			PNP	S5N-MA-2-F01-PP	95202105
			NPN	S5N-MA-5-F01-NN	95202170
		M12 Connector	PNP	S5N-MA-5-F01-PP	95202125
		0 C-L1	NPN	S5N-MR-2-F01-NN	95202164
	LED D. P. L	2m Cable	PNP	S5N-MR-2-F01-PP	95202117
	LED, Radial optic		NPN	S5N-MR-5-F01-NN	95202180
		M12 Connector	PNP	S5N-MR-5-F01-PP	95202137
Through beam receiver			NPN	S5N-ML-2-F01-NN	95202184
		2m Cable			
	LASER, Axial optic		PNP	S5N-ML-2-F01-PP	95202142
		M12 Connector	NPN	S5N-ML-5-F01-NN	95202187
			PNP	S5N-ML-5-F01-PP	95202146
		2m Cable	NPN	S5N-MH-2-F01-NN	95202203
	I ASER Radial antic	ZIII Cable	PNP	S5N-MH-2-F01-PP	95202202
	LASER, Radial optic		NPN	S5N-MH-5-F01-NN	95202205
		M12 Connector	INFIN	3314 1411 3 1 01 1414	, 0202200

		2m Cable	_	S5N-MA-2-G00-XG	9520210
	LED, Axial optic	M12 Connector	_	S5N-MA-5-G00-XG	9520210
		2m Cable		S5N-MR-2-G00-XG	9520212
	LED, Radial optic	M12 Connector		S5N-MR-5-G00-XG	9520211
Through beam emitter		2m Cable		S5N-ML-2-G00-XG	9520214
	LASER, Axial optic	M12 Connector		S5N-ML-5-G00-XG	9520214
		2m Cable	_	S5N-MH-2-G00-XG	9520214
	LASER, Radial optic	M12 Connector	-		9520220
		M12 Connector		S5N-MH-5-G00-XG	
Background suppression		2m Cable	NPN	S5N-MA-2-M03-NN	9520215 9520210
	LED, Axial optic		PNP PNP	S5N-MA-2-M03-PP	
		1410.0	⊘ IO -Link	S5N-MA-5-M03-PP	9520212 9520221
Background suppression		M12 Connector		S5N-MA-5-M03-0Z	
	LED, Radial optic		PNP	S5N-MS-5-M03-PP	9520219
		2 2 1 1	PNP	S5N-MS-2-M03-PP	9520219
		2m Cable	NPN	S5N-MA-2-T01-NN	9520215
	LED, Axial optic		PNP	S5N-MA-2-T01-PP	9520210
		M12 Connector	NPN	S5N-MA-5-T01-NN	9520217
Retroreflective for transparent			PNP	S5N-MA-5-T01-PP	9520212
		2m Cable	NPN	S5N-MR-2-T01-NN	9520216
	LED, Radial optic		PNP	S5N-MR-2-T01-PP	9520211
	,	M12 Connector	NPN	S5N-MR-5-T01-NN	9520218
			PNP	S5N-MR-5-T01-PP	9520213
Luminescence		M12 Connector	PNP	S5N-MA-5-U03-PP	9520213
	LED, Axial optic	2m Cable	PNP	S5N-MA-2-W03-PP	9520211
Contrast	EEB, 7 stat optic	M12 Connector	NPN	S5N-MA-5-W03-NN	9520217
			PNP	S5N-MA-5-W03-PP	9520213
	- METAL HOUSING - L/D	INPUT MODELS MODEL			
			NPN	S5N-MA-5-A00-NK	95270180
Retroreflective		M12 Connector	PNP	S5N-MA-5-A00-PK	952701532
D. 1 . 1 . 0 .:		M12 Connector	NPN	S5N-MA-5-B01-NK	95270181
Polarized retroreflective			PNP	S5N-MA-5-B01-PK	95270176
		2m Cable	NPN	S5N-MA-2-C01-NK	952701622
		Zili Cable	PNP	S5N-MA-2-C01-PK	95270156
	LED, Axial optic	M12 Connector	NPN	S5N-MA-5-C01-NK	952701822
Diffuse proximity	EEB, 7 Mat optic		PNP	S5N-MA-5-C01-PK	952701772
Diliuse proximity		2m Cable	NPN	S5N-MA-2-C10-NK	952701632
	_		PNP	S5N-MA-2-C10-PK	95270157
			NPN	S5N-MA-5-C10-NK	95270183
	-	M12 Connector	PNP	S5N-MA-5-C10-PK	95270152
Through beam receiver			NPN	S5N-MA-5-F00-NK	95270184
		0 0 1 1	PNP	S5N-MA-5-F00-PK	95270178
	LED, Axial optic	2m Cable	-	S5N-MA-2-G00-XG	95202106
	LLD, Axial optic	M12 Connector	_	S5N-MA-5-G00-XG	95202126
		2m Cable	_	S5N-MR-2-G00-XG	95202118
	LED, Radial optic			S5N-MR-5-G00-XG	
Through beam emitter		M12 Connector	-		95202138
-	LED, Axial optic	2m Cable	-	S5N-ML-2-G00-XG	95202143
	LLD, Axidi optic	M12 Connector		S5N-ML-5-G00-XG	95202147
		2m Cable	_	S5N-MH-2-G00-XG	95202206
	LED, Radial optic	M12 Connector	_	S5N-MH-5-G00-XG	95202207
	CENT INOV HOUSING			2214-MID-2-000-VG	75202207
	S5N - INOX HOUSING - L	./D INPUT MODELS MOD			
Polarized retroreflective			NPN	S5N-NA-5-B01-NK	95230146
	-		PNP	S5N-NA-5-B01-PK	95230138
Diffuse proximity Inox			NPN PNP	S5N-NA-5-C11-NK S5N-NA-5-C11-PK	95230148 95230140
-	-		NPN	S5N-NA-5-C11-PK	95230140
Through beam receiver Inox	LED, Axial optic	M12 Connector	PNP	S5N-NA-5-F01-PK	95230131
Through beam emitter inox	LLD, Axial optic	MIZ COMMECTOR	-	S5N-NA-5-G01-XG	95230144
	-		NPN	S5N-NA-5-M01-NK	95230144
Background suppression inox			PNP	S5N-NA-5-M01-NK	95230130
	1		NPN	S5N-NA-5-T01-NK	95230147
troreflective for transparent inox			PNP	S5N-NA-5-T01-PK	95230139

ACCESSORIES



MODEL	DESCRIPTION	ORDER No.	
ST-5010	M18/14 mounting bracket	95ACC5230	
ST-5011	M18 mounting bracket short	95ACC5240	
ST-5012	M18 mounting bracket long	95ACC5250	
ST-5017	M18 mounting bracket	95ACC5270	
S50 EASY -IN	M18/14 EASY in™ adjustable mounting support	95ACC 5300	
JOINT -18	M18 jointed support	95ACC 5220	
MICRO -18	support with micrometric regulation for tubular M18 sensors	95ACC 1380	
SP-40	mounting bracket tubular	95ACC1370	
SWING-18	adjustable support for M18 tubular sensors	895000006	
PLASTIC NUT	flared mounting nut	95ACC2630	
M18 FLARED NUT	S5N mounting nut M18 flared nut (1 pc)	95ACC2630	
M18 METAL NUT	S5N mounting nut M18 nut (1 pc)	G602000017	
M18 PLASTIC NUT KIT	S5N mounting nut M18 nuts kit (100 pcs)	G602000008	
MEK -PROOF	front protection (only for metal models) G5000001		

IO-LINK CONNECTIVITY

MODEL	DESCRIPTION	ORDER No.
CBX-8IOL-EIP	CBX-8IOL-EIP 8P IOL M12 EIP MASTER	95ACC8180
CBX-8IOL-PNIO	CBX-8IOL-PNIO 8P IOL M12 PROFINET MASTER	95ACC8190

CABLES

	DESCRIPTION		MODEL	ORDER No.
		3 m	CS-A1-02-G-03	95A251380
	/l DV.C	5 m	CS-A1-02-G-05	95A251270
Axial M12 Connector	4-pole, grey, P.V.C.	7 m	CS-A1-02-G-07	95A251280
AXIAI M12 CONNECTOR		10 m	CS-A1-02-G-10	95A251390
	/ mala DILD	2 m	CS-A1-02-R-02	95A251540
	4-pole, P.U.R.	5 m	CS-A1-02-R-05	95A251560
		3 m	CS-A2-02-G-03	95A251360
	/ DVC	5 m	CS-A2-02-G-05	95A251240
Radial M12 Connector	4-pole, grey, P.V.C.	7 m	CS-A2-02-G-07	95A251245
Radial MTZ Connector		10 m	CS-A2-02-G-10	95A251260
	4-pole, P.U.R.	2 m	CS-A2-02-R-02	95A251550
	4-pole, P.O.R.	5 m	CS-A2-02-R-05	95A251570
		3 m	CS-A2-12-G-03	95A251400
Radial M12 Connector with LED (for PNP N.O. sensors)	4-pole, grey, P.V.C.	5 m	CS-A2-12-G-05	95A251350
		10 m	CS-A2-12-G-10	95A251370
		3 m	CV-A1-22-B-03	95ACC1480
		5 m	CV-A1-22-B-05	95ACC1490
Axial M12 Connector	4-pole, shielded, black, P.V.C.	10 m	CV-A1-22-B-10	95ACC1500
	1.v.c.	15 m	CV-A1-22-B-15	95ACC2070
		25 m	CV-A1-22-B-25	95ACC2090
		3 m	CV-A2-22-B-03	95ACC1540
Radial M12 Connector	4-pole, shielded, black, P.V.C.	5 m	CV-A2-22-B-05	95ACC1550
	F.V.C.	10 m	CV-A2-22-B-10	95ACC1560
		3 m	CS-A1-02-U-03	95ASE1120
		5 m	CS-A1-02-U-05	95ASE1130
Axial M12 Connector	4-pole, U.L., black, P.V.C.	10 m	CS-A1-02-U-10	95ASE1140
Axial M12 Connector		15 m	CS-A1-02-U-15	95ASE1150
		25 m	CS-A1-02-U-25	95ASE1160
	4-pole, black	Connector- not cabled	CS-A1-02-B-NC	G5085002
Radial M12 Connector	4-pole, black	Connector- not cabled	CS-A2-02-B-NC	G5085003
Axial M12 Connector	5-pole, L coded power cable	3 m	CS-M1-02-B-03	95ACC0007
Axial M12 F/M12 M Connector	4-pole, double headed	3 m	CS-I1-02-B-03	95ACC0009

00,11/2021

DATALOGIC PRODUCT OFFERING



Sensors Hand Held





Laser Marking Systems





Vision Systems





Stati

Safety Light Curtains

Hand Held Mobile Computers scanners

Safety Laser Scanner



European Patent 851.211 B1: 1.111.690 B1: 1.148.346 B1: 1.209.487 B1. Italian Patent IT 1,321,772.



INSTRUCTION MANUAL

CONTROLS

OUTPUT LED

The vellow LED ON indicates that the N.O. (normally open) output status

READY/ERROR LED (bicolour)

When the bicoloured LED is continuously green, the sensor is operating in a normal condition and it is ready to function correctly (stability

The red and green blinking of the LED indicates a wrong sensor setting. Please refer to the "SETTING" paragraph to get the correct setting procedure

SET PUSHBUTTON

A long pressure on the pushbutton activates the self-setting procedure.

INSTALLATION

S5N-PA...U: The sensor can be fixed by means of the M18x1 threaded body through a Ø 18 mm hole, using the specific washer and the enclosed 24 mm nuts (maximum torque of tightening 1.5 Nm)

Alternatively, the sensor can be mounted through the two housing's holes using two screws (M3x22 or longer) and nuts.

Amongst the various possible solutions, we suggest to choose the combination that offers the best visibility of the signalling LEDs and the easiest access to the SET pushbutton.

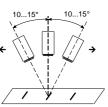
22 mm nuts, h=8 mm, (2 Nm maximum tightening torque) are available to quarantee an improved torque.

S5N-MA...U: The sensor can be fixed by means of the M18x1 threaded body through a \varnothing 18 mm hole, using the specific washer and the two CH.24 nuts enclosed (22 Nm maximum tightening torque).

For both plastic version and metallic version are available various orientable fixing brackets to ease the sensor positioning (please refer to the accessories listed in the general catalogue).

The operating distance is measured from the front surface of the sensor

To detect luminescent marks on reflective surfaces, position the sensor axis at 10°...15° respect to the orthogonal line of the surface to detect

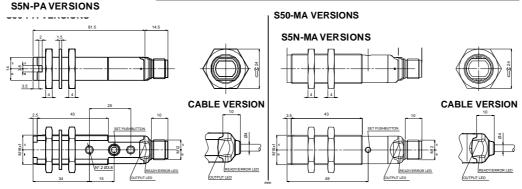


CONNECTIONS

The connections are compliant to the EN 60947-5-2 standard.



DIMENSIONS



TECHNICAL DATA

	S5N-PA PLASTIC VERSIONS	S5N-MA METALLIC VERSIONS		
Power supply:	10 30 Vdc (limit values)			
Ripple:	2 Vpp max.			
Current consumption	25	A		
(output current excluded):	25 mA max.			
Outputs:		N (short-circuit protection)		
Output current:		A max.		
Output saturation voltage:		max.		
Response time:) μs		
Switching frequency:		Нz		
Indicators:		ADY/ERROR LED (GREEN/RED)		
Setting:		shbutton		
Operating mode:		/ DARK mode on N.C. output		
Data retention:		PROM memory		
Operating temperature:		55 °C		
Storage temperature:		70 °C		
Insulating strength:	500 Vac 1 min., between	electronics and housing		
Insulating resistance:	>20 MΩ 500 Vdc, betwee	n electronics and housing		
Operating distance (typical values):	820mm range, max	imum signal at 10 mm		
Minimum spot dimension:		mm		
Emission type:		(370 nm)		
Ambient light rejection:		EN 60947-5-2		
Vibrations:		quency, for every axis (EN60068-2-6)		
Shock resistance:		every axis (EN60068-2-27)		
Housing material:	PBT	Nickel plated brass		
Lens material:		1MA		
Mechanical protection:	IP67 Metal version	ns type 1 enclosure		
Connections:	2 m cable Ø 4 mm / f	M2 - 4 pole connector		
Weight:	75 g. max. cable vers. 25 g. max. connector vers.	110 g. max. cable vers. 60 g. max. connector vers.		
AtEx 2014/34/EU	II 3D EX tc IIIC IP67 T85°C			

SETTING

The supplied sensor is set at the maximum sensitivity, allowing the detection of the minimum luminescence intensity. No other setting procedure is necessary, unless luminescent objects placed on luminescence backgrounds have to be detected.

EASY TOUCH™

The sensor uses the patent-covered EASY TOUCHTM technology that allows a rapid and safe self-setting of the product.

Two different setting possibilities are available:

- EASY TOUCHTM; a long pressure of the SET pushbutton allows self-
- FINE DETECTION; to be used only in particularly critical conditions, this setting procedure is used only when the EASY TOUCHTM is not sufficient.

Setting of S5N-PA/MA...U

To achieve a correct sensor functioning, the luminescence mark or object to be detected has to be placed at the right reading distance.

EASY TOUCH TM (standard detection in the LIGHT mode)

The EASY TOUCH™ technology allows the functioning in the LIGHT mode (mark presents a higher luminescence respect to the background).

The mark to detect has to be placed correctly at the right reading distance within the sensor spot.

Press the SET pushbutton until the READY/ERROR LED turns OFF. Release the SET pushbutton and wait for the READY/ERROR LED to

The sensor is now ready to detect the pre-set luminescent mark or object (output LED turns ON when the NO output is closed).

Note: The automatic EASY TOUCHTM setting has to be performed without any objects inside the sensor reading range (or using a nonluminescent object) in order to bring the sensor back to the maximum sensitivity condition.

Fine detection (DARK or LIGHT mode)

This mode offers an improved detection precision and also allows the detection of luminescent marks or objects placed on luminescent

The operating mode is selected automatically by the sensor:

DARK operating mode (mark presents a lower luminescence respect to the background) or LIGHT operating mode (mark presents a higher luminescence respect to the background).

The mark to detect has to be placed correctly at the right reading distance within the sensor spot.

Press the SET pushbutton. The READY/ERROR LED turns OFF.

Keep the SET pushbutton pressed until the READY/ERROR LED blinks green. Place the background under the sensor spot.

Press the SET pushbutton again until the READY/ERROR LED turns OFF. The sensor is now ready to detect, with a very high precision, the pre-set luminescent mark (output LED turns ON, READY/ERROR LED turns green).

Datalogic S.r.I. Via S. Vitalino 13 - 40012 Calderara di Reno - Italy Tel: +39 051 3147011 - Fax: +39 051 3147205 - www.datalogic.com

Helpful links at www.datalogic.com; Contact Us. Terms and Conditions, Support.



For information about the disposal of Waste Electrical and Electronic Equipment (WEEE), please refer to the website at www.datalogic.co

© 2007 - 2020 Datalogic S.p.A. and/or its affiliates • ALL RIGHTS RESERVED. • Without limiting the rights under copyright, no part of this documentation may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means, or for any or immoduled into a femilierar system; or transmitted in any form in 8 by ally mileasts; or for a purpose, without the express written permission of Datalogic S.p.A. and/or its off-inal Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. All other trademarks and brands are property of ers. Datalogic reserves the right to make modifications and imp without prior notification