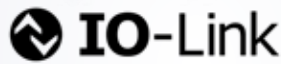
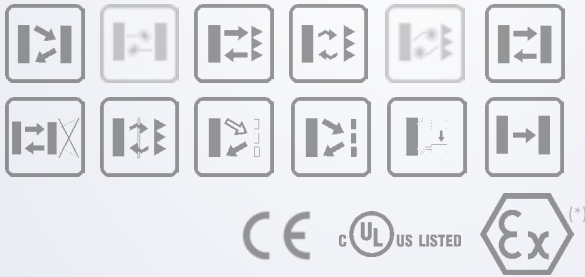


# S5N



## 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
- Available in M18 metal housing
- Axial or radial optics, cable or connector
- Standard 4-wire NO-NC NPN or PNP output



### APPLICATIONS

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

### S5N

<b>Through beam</b>		0...20 m
		0...60 m (class 1 LASER)
<b>Retroreflective (on R2 reflector)</b>		0,1...4 m
<b>Polarized retroreflective</b>		0,1...4 m
		0,1...16 m (class 1 LASER)
<b>Retroreflective for transparent (on R2 reflector)</b>		0,1...1,3 m
		short distance 0...100 mm
<b>Diffuse proximity</b>		medium distance 0...400 mm
		long distance 0...700 mm
		long distance LASER 0...350 mm
<b>Fixed focus</b>		100 mm
<b>Background suppression</b>		50...150 mm
<b>Through beam with fiber optic</b>		0...100 mm
<b>Diffuse proximity with fiber optic</b>		0...30 mm
<b>Contrast sensor</b>		10 ±2 mm
<b>Luminescence sensor</b>		0...20 mm
	Vdc	10...30 V
<b>Power supply</b>	Vac	
	Vac/dc	
	PNP	•
	NPN	•
<b>Output</b>	NPN/PNP	
	relay	
	other	IO-Link v 1.1
	cable	•
<b>Connection</b>	connector	•
	pig-tail	
<b>Approximate dimensions (mm)</b>		M18x 55/68
<b>Housing material</b>		PBT, nickel plated brass
<b>Mechanical protection</b>		IP67

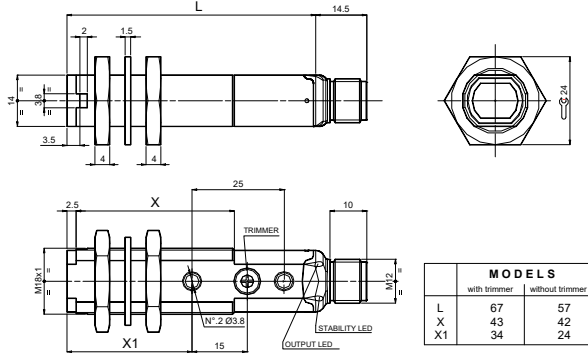
# TECHNICAL DATA

<b>Power supply</b>	10 ... 30 Vdc (limit values)
<b>Ripple</b>	2 Vpp max.
<b>Consumption (output current excluded)</b>	35 mA max. (mod. S5N...A00/B01/C01/C10/C21/D00/E01/T01)
	30 mA max. (mod. S5N...F01/M03)
	25 mA max. (mod. S5N...W03/U03)
<b>Light emission</b>	red LED 630 nm (mod. S5N...D00/E01, S5N-PA/MA...M03)
	red LED 660 nm (mod. S5N...B01/T01)
	red LED 670 nm (mod. S5N-PS/MS...M03)
	IR LED 880 nm (mod. S5N...A00/C01/C10/C20/C21/G00)
	white LED 400-700 nm (mod. S5N...W03)
	UV LED 370 nm (mod. S5N...U03)
	red Laser 650 nm (mod. S5N...G00/F01/B01/C01)
<b>Setting</b>	sensitivity trimmer (mod. B01/C01/C21/E01/F01/T01)
	teach-in push-button (mod. M03/W03/U03)
<b>Operating mode</b>	LIGHT mode on N.O. output / DARK mode on N.C. output (mod.S5N...C01/C10/C21/D00/M03/U03)
	DARK mode on N.O. output / LIGHT mode on N.C. output (mod.S5N...A00/B01/E01/F01/T01/W03)
<b>Indicators</b>	yellow OUTPUT LED (S5N, excl. mod. G00)
	green STABILITY LED (mod. S5N...B01/C01/C21/E01/F01), POWER LED (mod. S5N...G00)
	green/red READY/ERROR LED (mod. S5N...M03/W03/U03)
<b>Output</b>	PNP or NPN; NO; NC (mod. S5N) IO-Link v 1.1 (mod.S5N...OZ)
<b>IO-Link interface</b>	(mod.S5N...OZ) v 1.1, com 2, 38,4 kBaud, 32 bit process data, 5 ms cycle time LED emission model, 8 ms cycle time LASER emission model
<b>Output current</b>	100 mA max.
<b>Saturation voltage</b>	2 V max.
<b>Response time</b>	0,5 ms (mod. S5N...A00/B01/T01/C10/C21/C01/D00/E01/U03)
	2 ms (mod. S5N...F01/G00)
	1 ms (mod. S5N...M03)
	100 µs (mod. S5N...W03)
	333 µs (Laser mod. S5N)
<b>Switching frequency</b>	1 kHz (mod. S5N...A00/B01/T01/C10/C21/C01/D00/E01/U03)
	250 Hz (mod. S5N...F01/G00)
	500 Hz (mod. S5N...M03)
	5 kHz (mod. S5N...W03)
	1,5 kHz (Laser mod. S5N)
<b>Connection</b>	2 m cable Ø- 4 mm, M12 4-pole connector
<b>Dielectric strength</b>	500 Vac, 1 min between electronics and housing
<b>Insulating resistance</b>	>20 MΩ, 500 Vdc between electronics and housing
<b>Electrical protection</b>	class 2
<b>Mechanical protection</b>	IP67
<b>Ambient light rejection</b>	according to EN 60947-5-2
<b>Vibrations</b>	0,5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)
<b>Shock resistance</b>	11 ms (30 G) 6 shock for every axis (EN60068-2-27)
<b>Housing material</b>	Plastic version PBT
	Metal version nickel plated brass
<b>Lens material</b>	PMMA
<b>Operating temperature</b>	-25 ... 55 °C
	(Laser mod.) -10 ... 50 °C
<b>Storage temperature</b>	-25 ... 70 °C
<b>Weight</b>	Plastic version 75 g max. cable vers. (90 g max. mod. M03), 25 g max. conn. vers. (40 g max. mod. M03)
	Metal version 110 g max. cable vers. (125 g max. mod. M03), 60 g max. conn. vers. (75 g max. mod. M03)

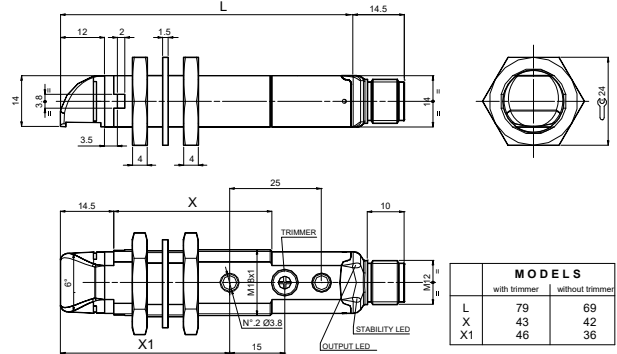
# DIMENSION

## PLASTIC

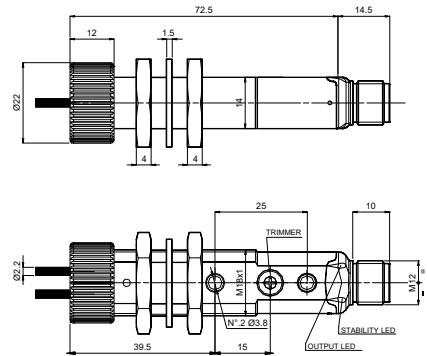
### AXIAL VERSION



### RADIAL VERSION

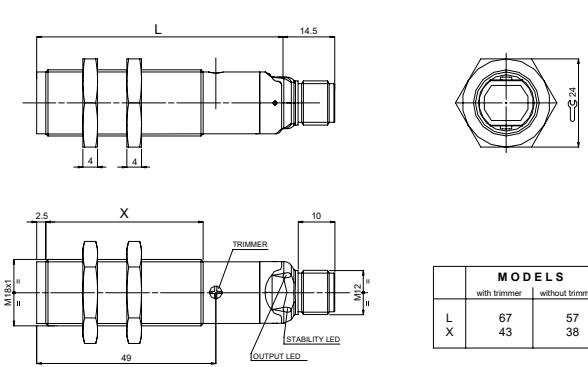


### FIBRE OPTIC VERSION

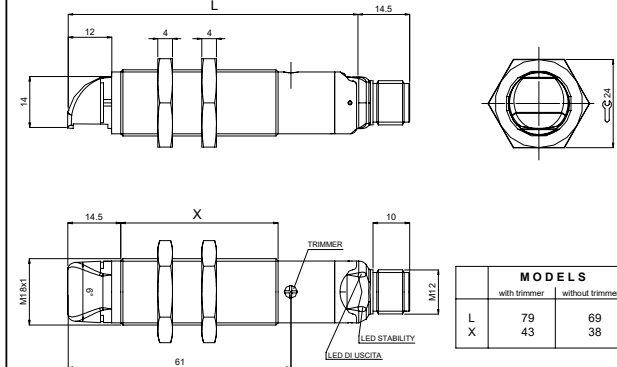


## METAL

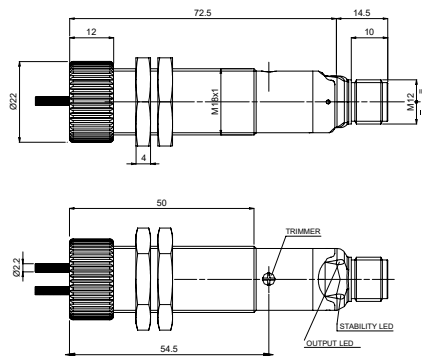
### AXIAL VERSION



### RADIAL VERSION



### FIBRE OPTIC VERSION





# CONNECTIONS

## CABLE

Through beam emitter

BROWN 1 + 10 ... 30 Vdc

WHITE 2 N.C. OUTPUT

BLACK 4 N.O. OUTPUT

BLUE 3 - 0 V

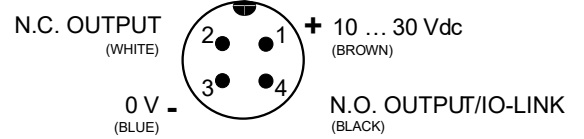
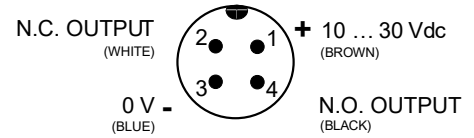
BROWN 1 + 10 ... 30 Vdc

WHITE 2 TEST +

BLACK 4 TEST / NOT USED (Laser version)

BLUE 3 - 0 V

## M12 CONNECTOR



# INDICATORS AND SETTINGS

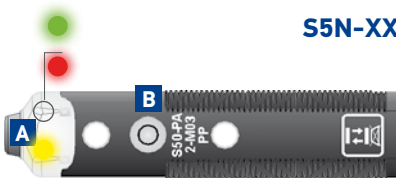
## S5N-XX...A00/B01/C01/C21/E01/F01/T01



- A** 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/U03



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

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

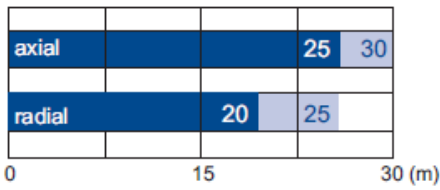
## S5N-XX-C10



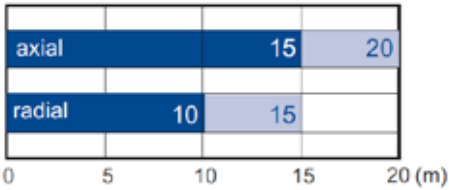
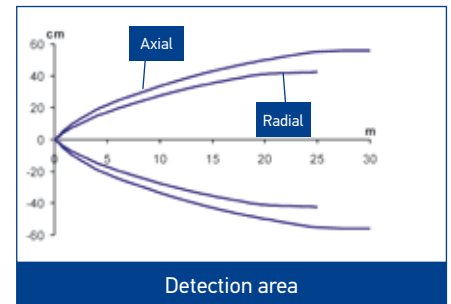
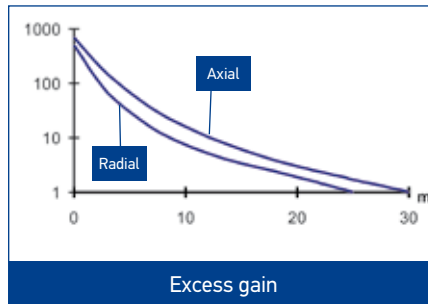
- A00/C10/C20/F00
- A** OUTPUT status LED Yellow  
Stability LED green
- G00  
OUTPUT status LED yellow (Only Emitter G00)

# S5N DETECTION DIAGRAMS

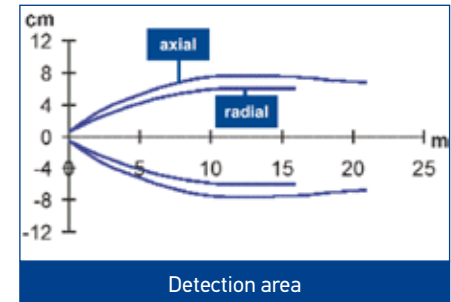
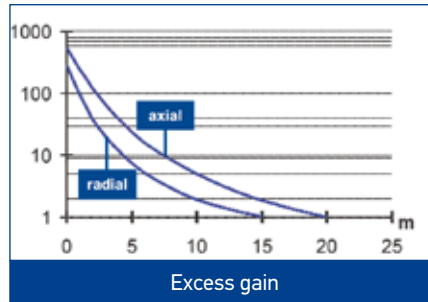
## G/F INFRARED EMISSION



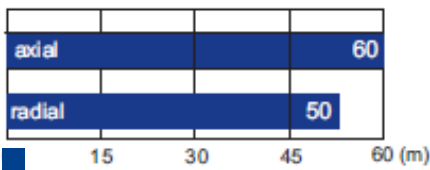
Recommended operating distance  
Maximum operating distance



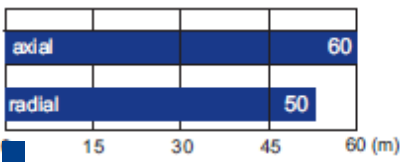
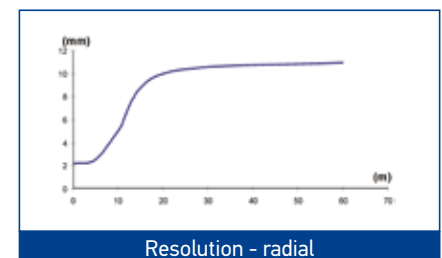
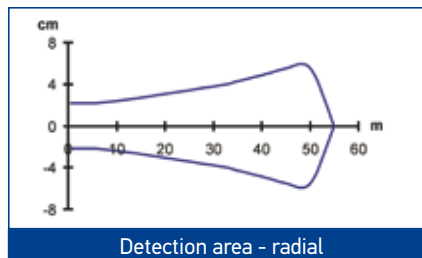
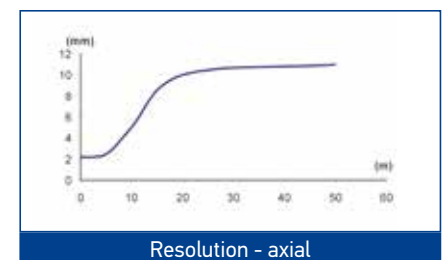
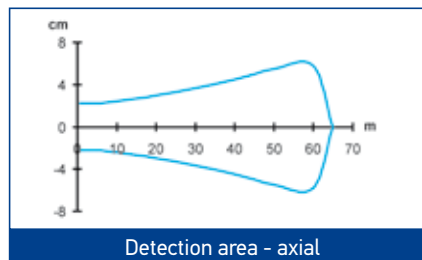
Recommended operating distance  
Maximum operating distance



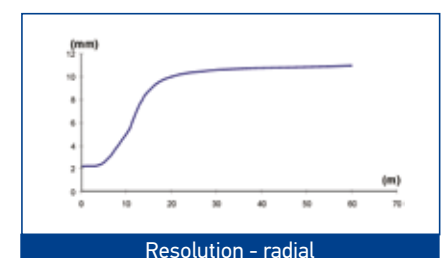
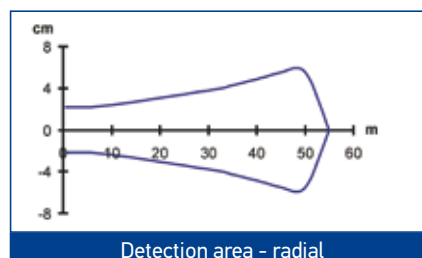
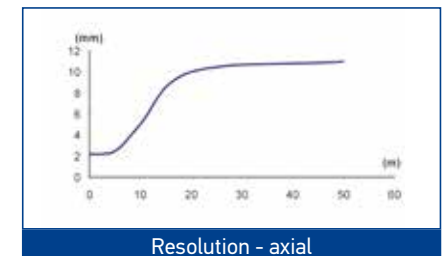
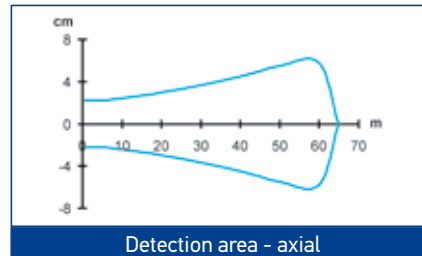
## G/F LASER RED EMISSION



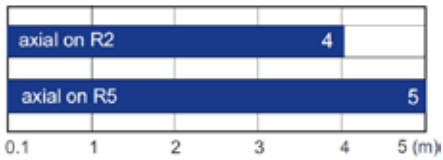
Operating distance



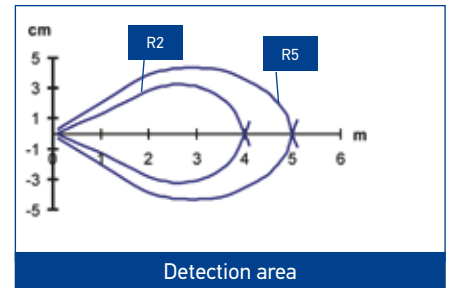
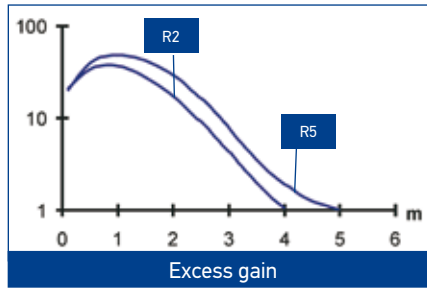
Operating distance



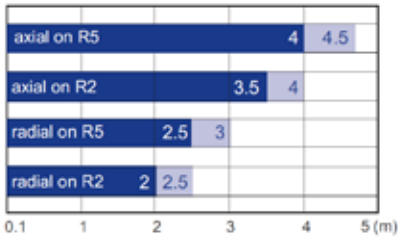
## A INFRARED EMISSION



Operating distance

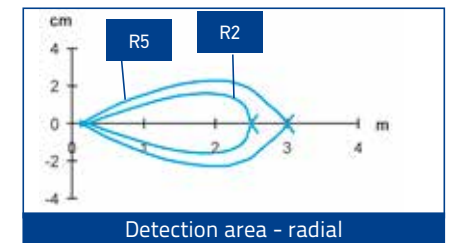
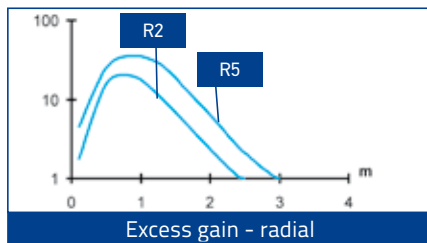
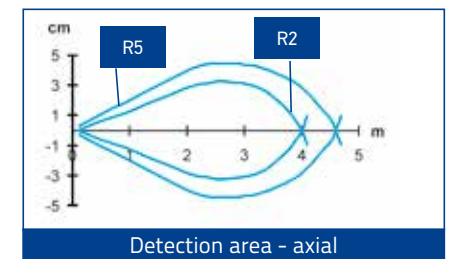
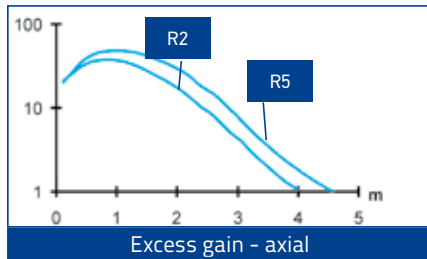


## B RED EMISSION

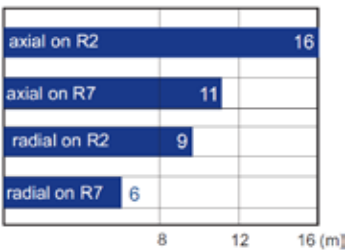


Recommended operating distance  
Maximum operating distance

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

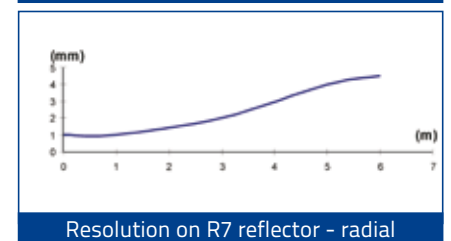
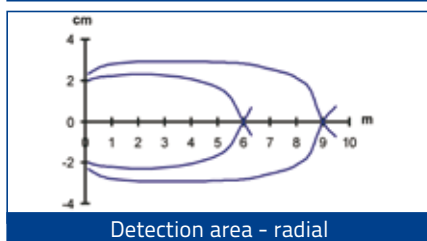
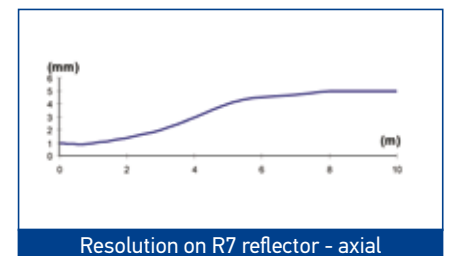
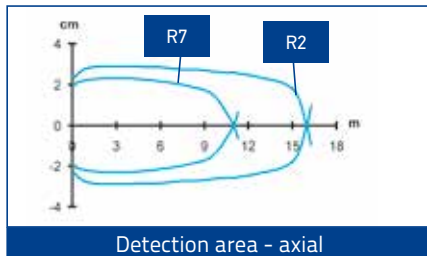


## B LASER RED EMISSION

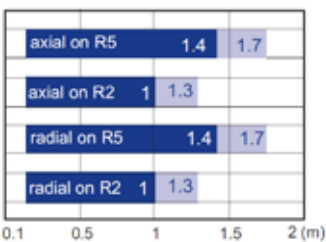


Operating distance

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

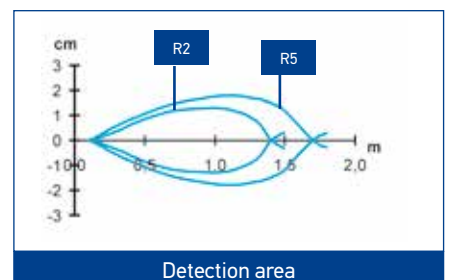
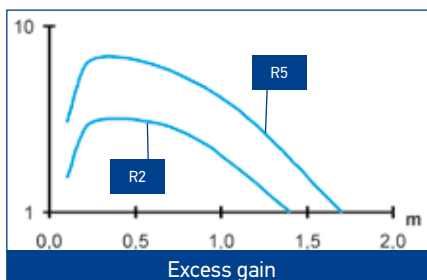


## T RED EMISSION

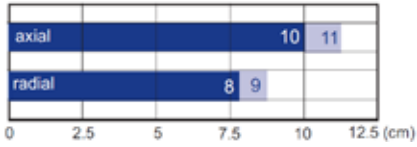


Recommended operating distance  
Maximum operating distance

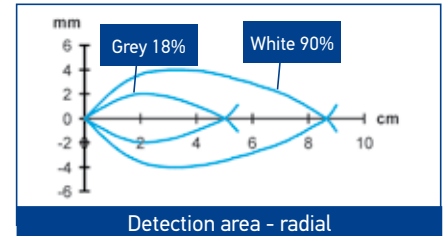
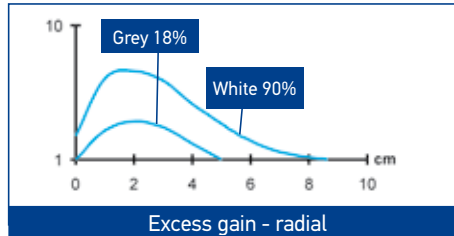
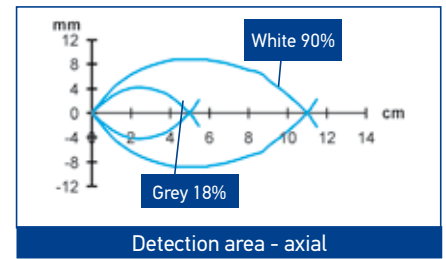
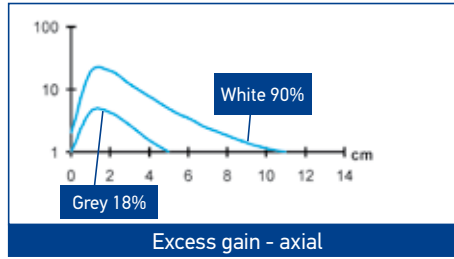
High efficiency reflectors can be used to obtain larger operating distances. Refer to **Reflectors**.



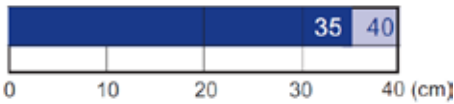
### C SHORT INFRARED EMISSION



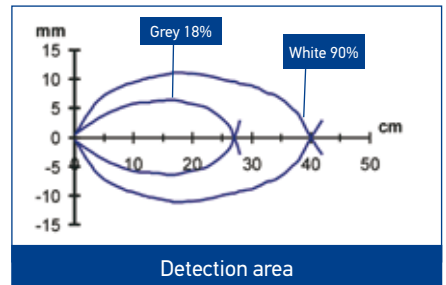
Recommended operating distance  
 Maximum operating distance



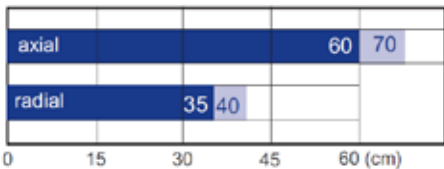
### C MID INFRARED EMISSION



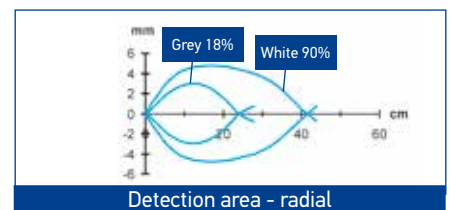
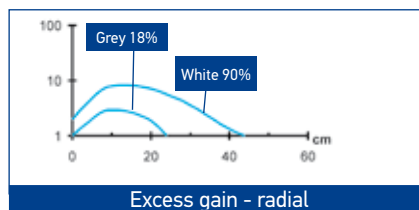
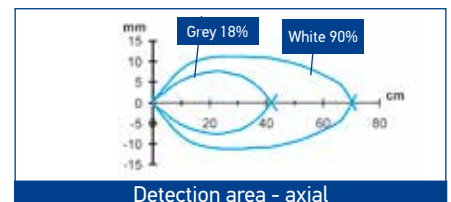
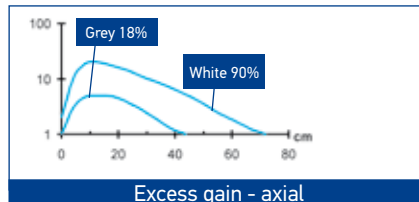
Recommended operating distance  
 Maximum operating distance



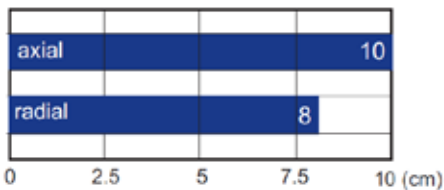
### C LONG INFRARED EMISSION



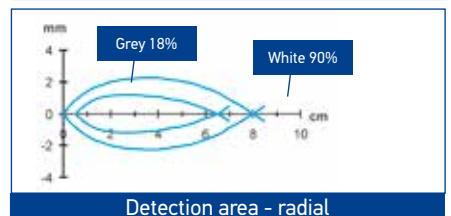
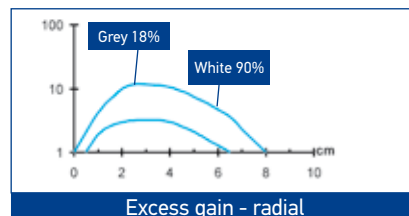
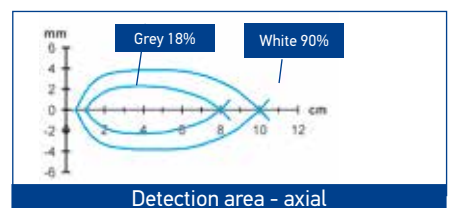
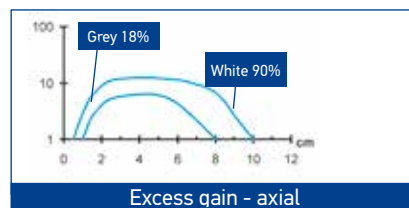
Recommended operating distance  
 Maximum operating distance



### D RED EMISSION

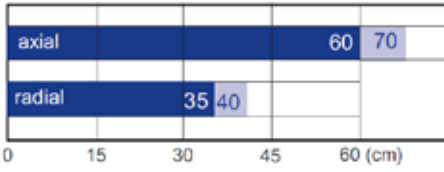


Operating distance

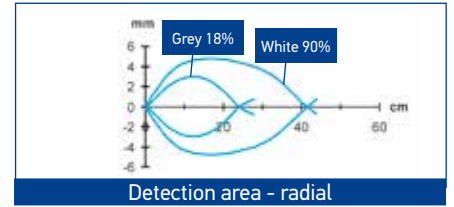
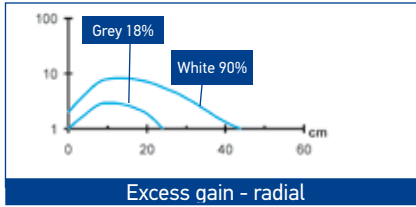
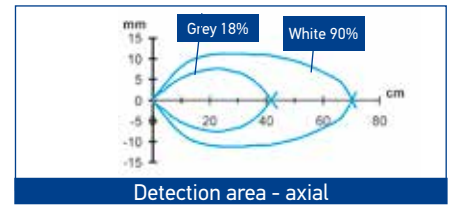
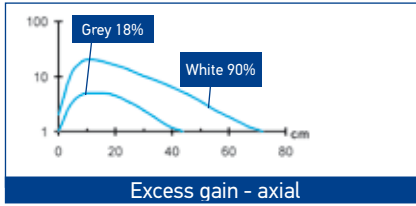




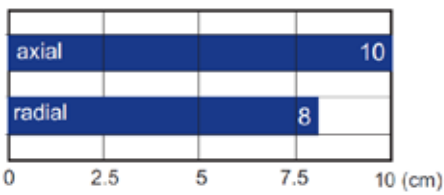
### C LONG INFRARED EMISSION



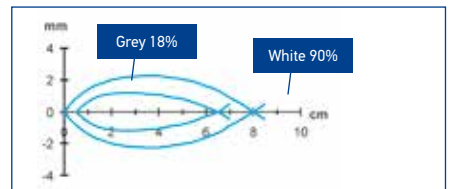
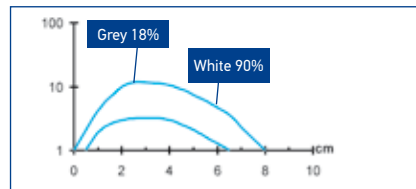
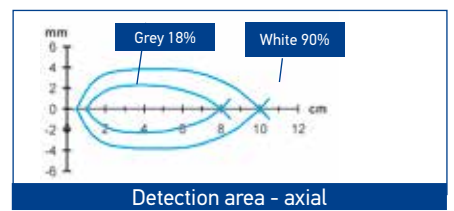
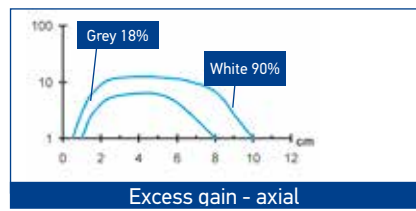
Recommended operating distance  
 Maximum operating distance



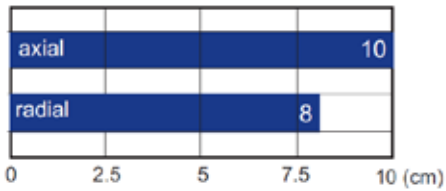
### D RED EMISSION



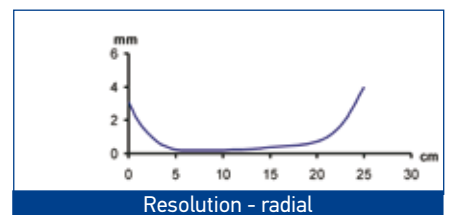
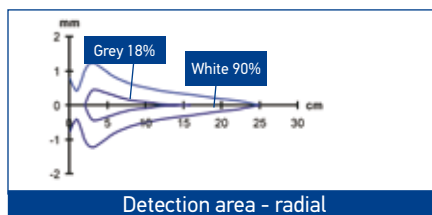
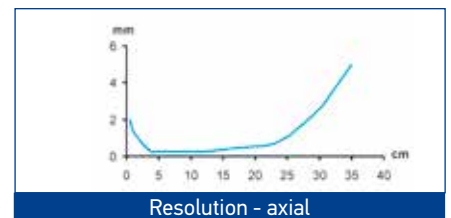
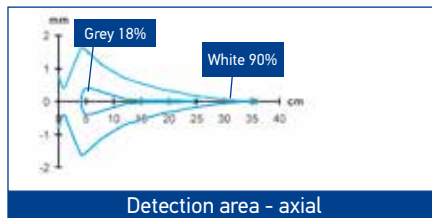
Operating distance



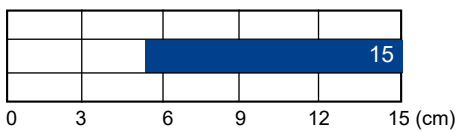
### C LASER RED EMISSION



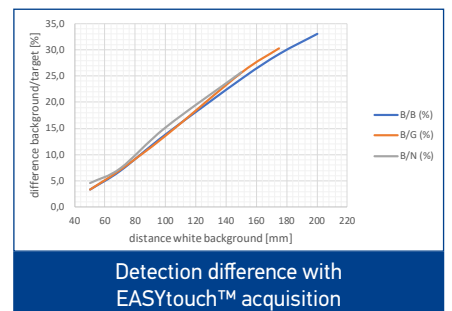
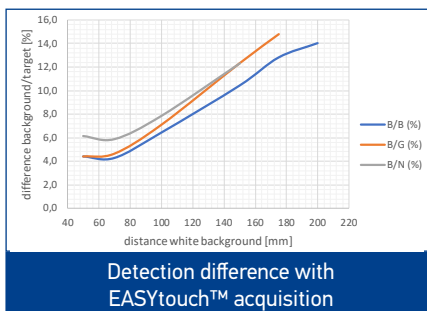
Operating distance



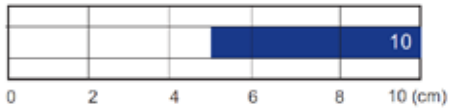
### M AXIAL RED EMISSION



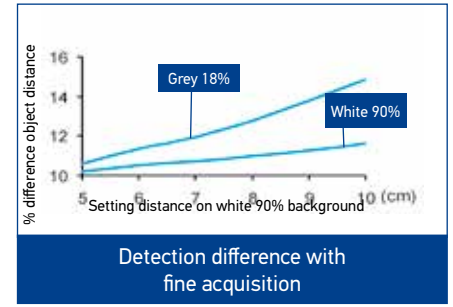
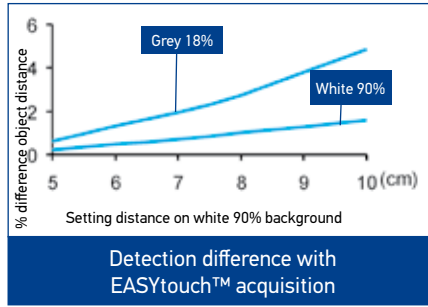
Operating distance



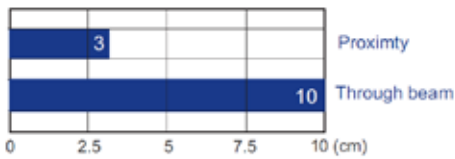
## M RADIAL RED EMISSION



Operating distance



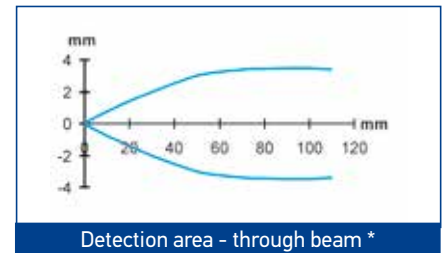
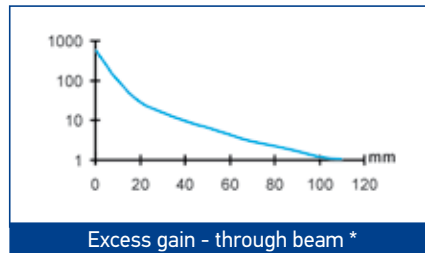
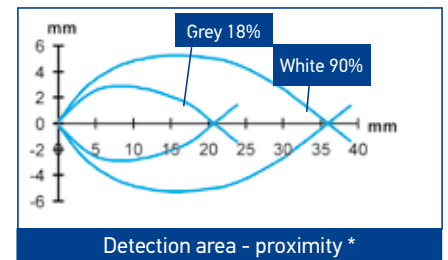
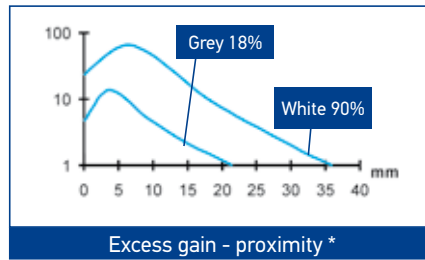
## E RED EMISSION



Operating distance with standard fibers

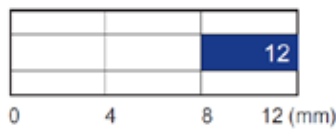
Standard Fiber-optics:  
OF-42-ST-20 proximity  
OF-43-ST-20 through beam

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

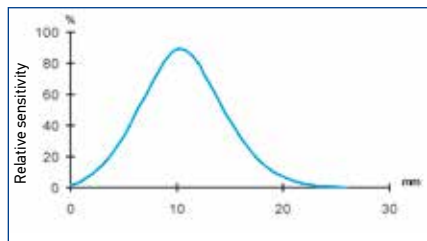


\* standard Fiber-optics

## W WHITE EMISSION



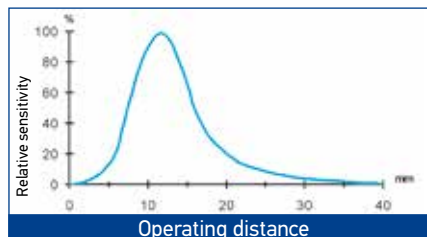
Operating distance



## U UV EMISSION



Operating distance



# MODEL SELECTION AND ORDER INFORMATION

S5N PLASTIC MODELS						
OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER No.	
Retroreflective	LED, Axial optic	2m Cable	NPN	S5N-PA-2-A00-NN	952002091	
			PNP	S5N-PA-2-A00-PP	952002081	
		M12 Connector	NPN	S5N-PA-5-A00-NN	952002111	
			PNP	S5N-PA-5-A00-PP	952002101	
Polarized retroreflective	LED, Axial optic	2m Cable	NPN	S5N-PA-2-B01-NN	952001611	
			PNP	S5N-PA-2-B01-PP	952001011	
		M12 Connector	NPN	S5N-PA-5-B01-NN	952001501	
			PNP	S5N-PA-5-B01-PP	952001021	
			IO-Link	S5N-PA-5-B01-OZ	952002200	
	LED, Radial optic	2m Cable	NPN	S5N-PR-2-B01-NN	952001781	
			PNP	S5N-PR-2-B01-PP	952001031	
		M12 Connector	NPN	S5N-PR-5-B01-NN	952001721	
			PNP	S5N-PR-5-B01-PP	952001041	
	LASER, Axial optic	2m Cable	NPN	S5N-PL-2-B01-NN	952001871	
			PNP	S5N-PL-2-B01-PP	952001361	
			IO-Link	S5N-PL-2-B01-OZ	952002250	
		M12 Connector	NPN	S5N-PL-5-B01-NN	952001841	
			PNP	S5N-PL-5-B01-PP	952001371	
			IO-Link	S5N-PL-5-B01-OZ	952002250	
	LASER, Radial optic	2m Cable	NPN	S5N-PH-2-B01-NN	952001951	
			PNP	S5N-PH-2-B01-PP	952001941	
		M12 Connector	NPN	S5N-PH-5-B01-NN	952001971	
			PNP	S5N-PH-5-B01-PP	952001961	
Long Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-PA-2-C01-NN	952001621	
			PNP	S5N-PA-2-C01-PP	952001051	
		M12 Connector	NPN	S5N-PA-5-C01-NN	952001511	
			PNP	S5N-PA-5-C01-PP	952001061	
	LED, Radial optic	2m Cable	NPN	S5N-PR-2-C01-NN	952001791	
			PNP	S5N-PR-2-C01-PP	952001071	
		M12 Connector	NPN	S5N-PR-5-C01-NN	952001731	
			PNP	S5N-PR-5-C01-PP	952001081	
	LASER, Axial optic	2m Cable	NPN	S5N-PL-2-C01-NN	952001881	
			PNP	S5N-PL-2-C01-PP	952001381	
		M12 Connector	NPN	S5N-PL-5-C01-NN	952001851	
			PNP	S5N-PL-5-C01-PP	952001391	
	LASER, Radial optic	2m Cable	NPN	S5N-PH-2-C01-NN	952002260	
			PNP	S5N-PH-2-C01-PP	952001991	
		M12 Connector	NPN	S5N-PH-5-C01-NN	952001981	
			PNP	S5N-PH-5-C01-PP	952002011	
	Short Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-PA-2-C10-NN	952001631
				PNP	S5N-PA-2-C10-PP	952001241
			M12 Connector	NPN	S5N-PA-5-C10-NN	952001521
				PNP	S5N-PA-5-C10-PP	952001251
LED, Radial optic		2m Cable	NPN	S5N-PR-2-C10-NN	952001801	
			PNP	S5N-PR-2-C10-PP	952001491	
		M12 Connector	NPN	S5N-PR-5-C10-NN	952001741	
			PNP	S5N-PR-5-C10-PP	952001481	
Medium Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-PA-2-C21-NN	952002171	
			PNP	S5N-PA-2-C21-PP	952002161	
		M12 Connector	NPN	S5N-PA-5-C21-NN	952002191	
			PNP	S5N-PA-5-C21-PP	952002181	

Fixed focus	LED, Axial optic	2m Cable	NPN	S5N-PA-2-D00-NN	952001641		
			PNP	S5N-PA-2-D00-PP	952001091		
		M12 Connector	NPN	S5N-PA-5-D00-NN	952001531		
	PNP		S5N-PA-5-D00-PP	952001101			
	LED, Radial optic	2m Cable	NPN	S5N-PR-2-D00-NN	952001811		
			PNP	S5N-PR-2-D00-PP	952001111		
M12 Connector		NPN	S5N-PR-5-D00-NN	952001751			
	PNP	S5N-PR-5-D00-PP	952001121				
Fiber optic	LED, Axial optic	2m Cable	NPN	S5N-PA-2-E01-NN	952001651		
			PNP	S5N-PA-2-E01-PP	952001131		
		M12 Connector	NPN	S5N-PA-5-E01-NN	952001541		
			PNP	S5N-PA-5-E01-PP	952001141		
Through beam receiver	LED, Axial optic	2m Cable	NPN	S5N-PA-2-F01-NN	952001661		
			PNP	S5N-PA-2-F01-PP	952001151		
		M12 Connector	NPN	S5N-PA-5-F01-NN	952001551		
			PNP	S5N-PA-5-F01-PP	952001161		
		LED, Radial optic	2m Cable	NPN	S5N-PR-2-F01-NN	952001821	
				PNP	S5N-PR-2-F01-PP	952001171	
	M12 Connector		NPN	S5N-PR-5-F01-NN	952001761		
			PNP	S5N-PR-5-F01-PP	952001181		
	LASER, Axial optic	2m Cable	NPN	S5N-PL-2-F01-NN	952001891		
			PNP	S5N-PL-2-F01-PP	952001401		
		M12 Connector	NPN	S5N-PL-5-F01-NN	952001861		
			PNP	S5N-PL-5-F01-PP	952001411		
		LASER, Radial optic	2m Cable	NPN	S5N-PH-2-F01-NN	952002031	
				PNP	S5N-PH-2-F01-PP	952002021	
	M12 Connector		NPN	S5N-PH-5-F01-NN	952002051		
			PNP	S5N-PH-5-F01-PP	952002041		
	Through beam emitter	LED, Axial optic	2m Cable	-	S5N-PA-2-G00-XG	952001191	
			M12 Connector	-	S5N-PA-5-G00-XG	952001201	
LED, Radial optic		2m Cable	-	S5N-PR-2-G00-XG	952001211		
		M12 Connector	-	S5N-PR-5-G00-XG	952001221		
LASER, Axial optic		2m Cable	-	S5N-PL-2-G00-XG	952001421		
		M12 Connector	-	S5N-PL-5-G00-XG	952001431		
LASER, Radial optic		2m Cable	-	S5N-PH-2-G00-XG	952002061		
		M12 Connector	-	S5N-PH-5-G00-XG	952002071		
Background suppression		LED, Axial optic	2m Cable	NPN	S5N-PA-2-M03-NN	952001671	
				PNP	S5N-PA-2-M03-PP	952001231	
	M12 Connector		NPN	S5N-PA-5-M03-NN	952001561		
			PNP	S5N-PA-5-M03-PP	952001001		
	LED, Radial optic	2m Cable	IO-Link	S5N-PA-5-M03-OZ	952002230		
			NPN	S5N-PS-2-M03-NN	952001901		
		M12 Connector	PNP	S5N-PS-2-M03-PP	952001911		
			NPN	S5N-PS-5-M03-NN	952001921		
			PNP	S5N-PS-5-M03-PP	952001931		
Retroreflective for transparent	LED, Axial optic	2m Cable	NPN	S5N-PA-2-T01-NN	952001691		
			PNP	S5N-PA-2-T01-PP	952001261		
		M12 Connector	NPN	S5N-PA-5-T01-NN	952001581		
			PNP	S5N-PA-5-T01-PP	952001271		
		LED, Radial optic	2m Cable	IO-Link	S5N-PA-5-T01-OZ	952002220	
				NPN	S5N-PR-2-T01-NN	952001831	
	M12 Connector		PNP	S5N-PR-2-T01-PP	952001281		
			NPN	S5N-PR-5-T01-NN	952001771		
				PNP	S5N-PR-5-T01-PP	952001291	
	Luminescence	LED, Axial optic	2m Cable	NPN	S5N-PA-2-U03-NN	952001701	
PNP				S5N-PA-2-U03-PP	952001301		
M12 Connector			NPN	S5N-PA-5-U03-NN	952001591		
			PNP	S5N-PA-5-U03-PP	952001311		
Contrast	LED, Axial optic	2m Cable	NPN	S5N-PA-2-W03-NN	952001711		
			PNP	S5N-PA-2-W03-PP	952001321		
		M12 Connector	NPN	S5N-PA-5-W03-NN	952001601		
			PNP	S5N-PA-5-W03-PP	952001331		
					IO-Link	S5N-PA-5-W03-OZ	952002240

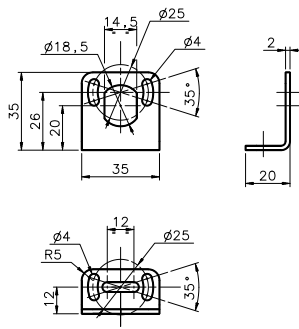
S5N METAL MODELS

OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER No.
Retroreflective	LED, Axial optic	2m Cable	NPN	S5N-MA-2-A00-NN	952022091
			PNP	S5N-MA-2-A00-PP	952022081
		M12 Connector	NPN	S5N-MA-5-A00-NN	952022111
			PNP	S5N-MA-5-A00-PP	952022101
Polarized retroreflective	LED, Axial optic	2m Cable	NPN	S5N-MA-2-B01-NN	952021501
			PNP	S5N-MA-2-B01-PP	952021001
		M12 Connector	NPN	S5N-MA-5-B01-NN	952021661
			PNP	S5N-MA-5-B01-PP	952021201
			IO-Link	S5N-MA-5-B01-OZ	952022160
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-B01-NN	952021601
			PNP	S5N-MR-2-B01-PP	952021141
		M12 Connector	NPN	S5N-MR-5-B01-NN	952021761
			PNP	S5N-MR-5-B01-PP	952021341
	LASER, Axial optic	2m Cable	NPN	S5N-ML-2-B01-NN	952021821
			PNP	S5N-ML-2-B01-PP	952021401
		M12 Connector	NPN	S5N-ML-5-B01-NN	952021851
			PNP	S5N-ML-5-B01-PP	952021441
			IO-Link	S5N-ML-5-B01-OZ	952022180
LASER, Radial optic	2m Cable	NPN	S5N-MH-2-B01-NN	952021951	
		PNP	S5N-MH-2-B01-PP	952021941	
	M12 Connector	NPN	S5N-MH-5-B01-NN	952021971	
		PNP	S5N-MH-5-B01-PP	952021961	
Long Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-MA-2-C01-NN	952021511
			PNP	S5N-MA-2-C01-PP	952021011
		M12 Connector	NPN	S5N-MA-5-C01-NN	952021671
			PNP	S5N-MA-5-C01-PP	952021211
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-C01-NN	952021611
			PNP	S5N-MR-2-C01-PP	952021151
		M12 Connector	NPN	S5N-MR-5-C01-NN	952021771
			PNP	S5N-MR-5-C01-PP	952021351
	LASER, Axial optic	2m Cable	NPN	S5N-ML-2-C01-NN	952021831
			PNP	S5N-ML-2-C01-PP	952021411
		M12 Connector	NPN	S5N-ML-5-C01-NN	952021861
			PNP	S5N-ML-5-C01-PP	952021451
			IO-Link	S5N-ML-5-C01-OZ	952022190
	LASER, Radial optic	2m Cable	NPN	S5N-MH-2-C01-NN	952021991
			PNP	S5N-MH-2-C01-PP	952021981
M12 Connector		NPN	S5N-MH-5-C01-NN	952022011	
		PNP	S5N-MH-5-C01-PP	952022001	
Short Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-MA-2-C10-NN	952021521
			PNP	S5N-MA-2-C10-PP	952021021
		M12 Connector	NPN	S5N-MA-5-C10-NN	952021681
			PNP	S5N-MA-5-C10-PP	952021221
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-C10-NN	952021621
			PNP	S5N-MR-2-C10-PP	952021491
		M12 Connector	NPN	S5N-MR-5-C10-NN	952021781
			PNP	S5N-MR-5-C10-PP	952021481
Medium Diffuse proximity	LED, Axial optic	2m Cable	NPN	S5N-MA-2-C21-NN	952022131
			PNP	S5N-MA-2-C21-PP	952022121
		M12 Connector	NPN	S5N-MA-5-C21-NN	952022151
			PNP	S5N-MA-5-C21-PP	952022141

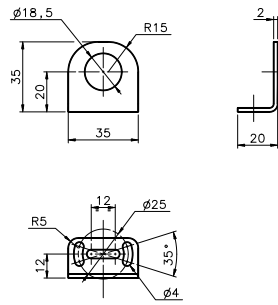
Fixed focus	LED, Axial optic	2m Cable	NPN	S5N-MA-2-D00-NN	952021531	
			PNP	S5N-MA-2-D00-PP	952021031	
	M12 Connector		NPN	S5N-MA-5-D00-NN	952021691	
			PNP	S5N-MA-5-D00-PP	952021231	
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-D00-NN	952021631	
			PNP	S5N-MR-2-D00-PP	952021161	
M12 Connector		NPN	S5N-MR-5-D00-NN	952021791		
		PNP	S5N-MR-5-D00-PP	952021361		
Fiber optic	LED, Axial optic	2m Cable	NPN	S5N-MA-2-E01-NN	952021881	
			PNP	S5N-MA-2-E01-PP	952021041	
	M12 Connector		NPN	S5N-MA-5-E01-NN	952021891	
			PNP	S5N-MA-5-E01-PP	952021241	
Through beam receiver	LED, Axial optic	2m Cable	NPN	S5N-MA-2-F01-NN	952021541	
			PNP	S5N-MA-2-F01-PP	952021051	
	M12 Connector		NPN	S5N-MA-5-F01-NN	952021701	
			PNP	S5N-MA-5-F01-PP	952021251	
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-F01-NN	952021641	
			PNP	S5N-MR-2-F01-PP	952021171	
	M12 Connector		NPN	S5N-MR-5-F01-NN	952021801	
			PNP	S5N-MR-5-F01-PP	952021371	
	LASER, Axial optic	2m Cable	NPN	S5N-ML-2-F01-NN	952021841	
			PNP	S5N-ML-2-F01-PP	952021421	
	M12 Connector		NPN	S5N-ML-5-F01-NN	952021871	
			PNP	S5N-ML-5-F01-PP	952021461	
	LASER, Radial optic	2m Cable	NPN	S5N-MH-2-F01-NN	952022031	
			PNP	S5N-MH-2-F01-PP	952022021	
	M12 Connector		NPN	S5N-MH-5-F01-NN	952022051	
			PNP	S5N-MH-5-F01-PP	952022041	
	Through beam emitter	LED, Axial optic	2m Cable	-	S5N-MA-2-G00-XG	952021061
			M12 Connector	-	S5N-MA-5-G00-XG	952021261
LED, Radial optic		2m Cable	-	S5N-MR-2-G00-XG	952021181	
		M12 Connector	-	S5N-MR-5-G00-XG	952021381	
LASER, Axial optic		2m Cable	-	S5N-ML-2-G00-XG	952021431	
		M12 Connector	-	S5N-ML-5-G00-XG	952021471	
LASER, Radial optic	2m Cable	-	S5N-MH-2-G00-XG	952022061		
	M12 Connector	-	S5N-MH-5-G00-XG	952022071		
Background suppression	LED, Axial optic	2m Cable	NPN	S5N-MA-2-M03-NN	952021551	
			PNP	S5N-MA-2-M03-PP	952021071	
	M12 Connector		PNP	S5N-MA-5-M03-PP	952021271	
			IO-Link	S5N-MA-5-M03-OZ	952022170	
LED, Radial optic	2m Cable	PNP	S5N-MS-2-M03-PP	952021911		
	M12 Connector	PNP	S5N-MS-5-M03-PP	952021931		
Retroreflective for transparent	LED, Axial optic	2m Cable	NPN	S5N-MA-2-T01-NN	952021571	
			PNP	S5N-MA-2-T01-PP	952021091	
	M12 Connector		NPN	S5N-MA-5-T01-NN	952021731	
			PNP	S5N-MA-5-T01-PP	952021291	
	LED, Radial optic	2m Cable	NPN	S5N-MR-2-T01-NN	952021651	
			PNP	S5N-MR-2-T01-PP	952021191	
M12 Connector		NPN	S5N-MR-5-T01-NN	952021811		
		PNP	S5N-MR-5-T01-PP	952021391		
Luminescence	LED, Axial optic	M12 Connector	PNP	S5N-MA-5-U03-PP	952021301	
Contrast	LED, Axial optic	2m Cable	PNP	S5N-MA-2-W03-PP	952021111	
		M12 Connector	NPN	S5N-MA-5-W03-NN	952021751	
	PNP		S5N-MA-5-W03-PP	952021311		

# ACCESSORIES

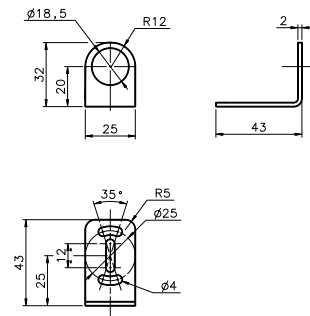
ST-5010



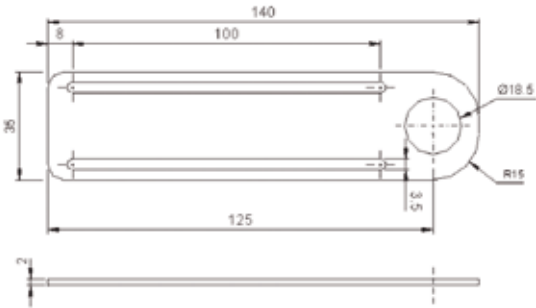
ST-5011



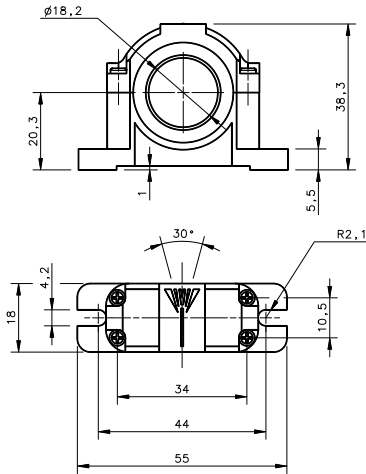
ST-5012



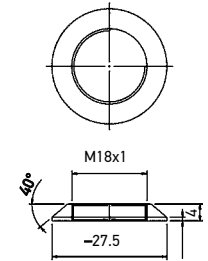
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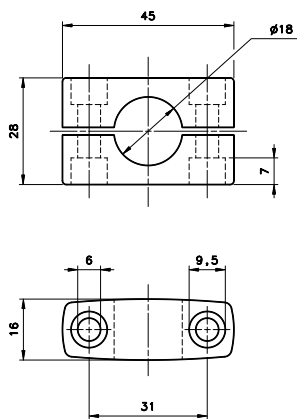
SWING-18



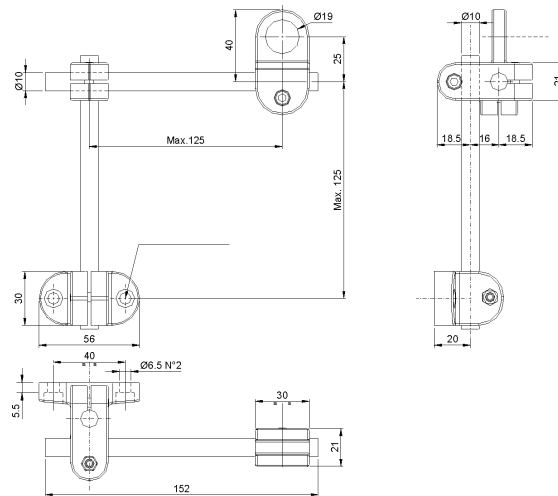
PLASTIC NUT



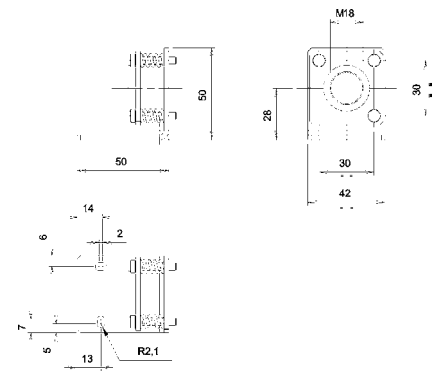
SP-40



JOINT 18



MICRO 18



mm

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
ST1218	M12/M18 mounting brackets	95ACC3340
ST1830	M18/M30 mounting brackets	95ACC3350
SP-40	mounting bracket tubular	95ACC1370
SWING-18	adjustable support for M18 tubular sensors	895000006
PLASTIC NUT	flared mounting nut	95ACC2630
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

TYPE	DESCRIPTION	LENGTH	MODEL	ORDER No.
Axial M12 Connector	4-pole, grey, P.V.C.	3 m	CS-A1-02-G-03	95A251380
		5 m	CS-A1-02-G-05	95A251270
		7 m	CS-A1-02-G-07	95A251280
		10 m	CS-A1-02-G-10	95A251390
Radial M12 Connector	4-pole, grey, P.V.C.	2 m	CS-A1-02-R-02	95A251540
		5 m	CS-A1-02-R-05	95A251560
		10 m	CS-A1-02-R-10	95A251570
Radial M12 Connector	4-pole, P.U.R.	3 m	CS-A2-02-G-03	95A251360
		5 m	CS-A2-02-G-05	95A251240
		7 m	CS-A2-02-G-07	95A251245
		10 m	CS-A2-02-G-10	95A251260
Radial M12 Connector with LED (for PNP N.O. sensors)	4-pole, grey, P.V.C.	2 m	CS-A2-02-R-02	95A251550
		5 m	CS-A2-02-R-05	95A251570
		10 m	CS-A2-02-R-10	95A251570
Axial M12 Connector	4-pole, shielded, black, P.V.C.	3 m	CS-A2-12-G-03	95A251400
		5 m	CS-A2-12-G-05	95A251350
		10 m	CS-A2-12-G-10	95A251370
		15 m	CS-A2-12-G-15	95A251370
Radial M12 Connector	4-pole, shielded, black, P.V.C.	3 m	CV-A1-22-B-03	95ACC1480
		5 m	CV-A1-22-B-05	95ACC1490
		10 m	CV-A1-22-B-10	95ACC1500
		15 m	CV-A1-22-B-15	95ACC2070
		25 m	CV-A1-22-B-25	95ACC2090
Axial M12 Connector	4-pole, U.L., black, P.V.C.	3 m	CV-A2-22-B-03	95ACC1540
		5 m	CV-A2-22-B-05	95ACC1550
		10 m	CV-A2-22-B-10	95ACC1560
		15 m	CV-A2-22-B-15	95ACC1560
Axial M12 Connector	4-pole, black	3 m	CS-A1-02-U-03	95ASE1120
		5 m	CS-A1-02-U-05	95ASE1130
		10 m	CS-A1-02-U-10	95ASE1140
		15 m	CS-A1-02-U-15	95ASE1150
		25 m	CS-A1-02-U-25	95ASE1160
Radial M12 Connector	4-pole, black	Connector- not cabled	CS-A1-02-B-NC	G5085002
Axial M12 Connector	5-pole, L coded power cable	Connector- not cabled	CS-A2-02-B-NC	G5085003
Axial M12 F/M8 M Connector	4-pole, double headed	3 m	CS-M1-02-B-03	95ACC0007
Axial M12 F/M12 M Connector	4-pole, double headed	3 m	CS-H1-02-B-03	95ACC0008
			CS-I1-02-B-03	95ACC0009

## DATALOGIC PRODUCT OFFERING



Sensors



Hand Held scanners



Mobile Computers



Laser Marking Systems



Safety Laser Scanner



Vision Systems



Stationary Industrial Scanners



Safety Light Curtains

Rev. 01, 04/2017