



S50/S51

Extended range of standard "One for All" photoelectric tubular M18 sensors

- All optic functions and LASER models
- 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



























(*)	Axial	models.
	ΔTF	X III 3DG

S50/S51		
Through beam		020 m
•		060 m (class 1 LASER) (S50)
Retroreflective (on R2 reflector)		0,14 m
Polarized retroreflective		0,14 m (S50) 0,13 m (S51)
		0,116 m (class 1 LASER) (S50)
Retroreflective for transparent (on R2 reflector)		0,11,3 m (S50)
	short distance 0100 mm	
Diffuse proximity	medium distance 0400 mm (S50) 0450 mm (S51)	
2 mase proximity		long distance 0700 mm
		long distance LASER 0350 mm
Fixed focus		100 mm (S50)
Background suppression		50100 mm (S50)
Through beam with fiber optic		0100 mm (S50)
Diffuse proximity with fiber optic		030 mm (S50)
Contrast sensor		10 ±2 mm
Luminescence sensor		020 mm
	Vdc	1030 V
Power supply	Vac	
	Vac/dc	
	PNP	•
Outroot	NPN NPN/PNP	•
Output		
	relay other	
	cable	
Connection	connector	•
	pig-tail	-
Approximate dimensions (mm)	F.0	M18x 55/68
Housing material		PBT, nickel plated brass
Mechanical protection		IP67



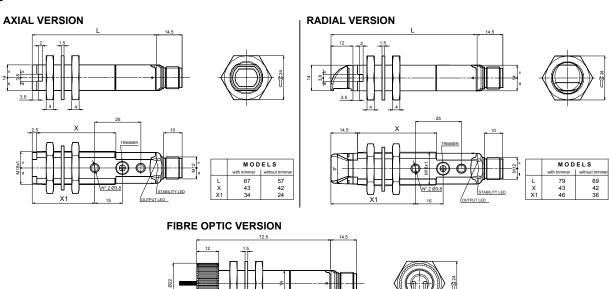
	TECHNICAL DATA	
Power supply	10 30 Vdc (limit values)	
Ripple	2 Vpp max.	
·	35 mA max. (mod. S50A00/B01/C01/C10/C21/D00/E01/T01)	
Consumption (output current excluded)	30 mA max. (mod. S50F01/M03, S51A00/B01/C01/C10/C20/F00)	
	25 mA max. (mod. S50W03/U03)	
	red LED 630 nm (mod. S50D00/E01, S50-PA/MAM03)	
	red LED 660 nm (mod. S50B01/T01, S51B01)	
	red LED 670 nm (mod. S50-PS/MSM03)	
Light emission	IR LED 880 nm (mod. S50/51A00/C01/C10/C20/C21/G00)	
0	white LED 400-700 nm (mod. S50W03)	
	UV LED 370 nm (mod. S50U03)	
	red Laser 650 nm (mod. S50G00/F01/B01/C01)	
	sensivity trimmer (mod. B01/C01/C21/E01/F01/T01)	
Setting	teach-in push-button (mod. M03/W03/U03)	
	LIGHT mode on N.O. output / DARK mode on N.C. output (mod.S50C01/C10/C21/D00/M03/U03)	
	DARK mode on N.O. output / LIGHT mode on N.C. output (mod.550400/B01/E01/F01/T01/W03)	
Operating mode	white wire or pin 2 connected to +1030V LIGHT mode/ to 0V DARK mode (mod. S51)	
Operating mode		
	white wire or pin 2 not connected LIGHT mode (mod. S51C01/C10/C20)/ DARK mode (mod. S51A00/B01/F00)	
	yellow OUTPUT LED (S50, S51, excl. mod. G00)	
Indicators	green STABILITY LED (mod. S50B01/C01/C21/E01/F01), POWER LED (mod. S50G00, S51)	
	green/red READY/ERROR LED (mod. S50M03/W03/U03)	
Output	PNP or NPN; NO; NC (mod. S50)	
Output current	100 mA max.	
Saturation voltage	2 V max.	
	0,5 ms (mod. S50A00/B01/T01/C10/C21/C01/D00/E01/U03)	
	2 ms (mod. S50F01/G00)	
Degrange time	1 ms (mod. S50M03, S51A00/B01/C01/C10/G00)	
Response time	4 ms (mod. S51F00)	
	100 µs (mod. S50W03)	
	333 µs (Laser mod. S50)	
	1 kHz (mod. S50A00/B01/T01/C10/C21/C01/D00/E01/U03)	
	250 Hz (mod. S50F01/G00)	
	500 Hz (mod. S50M03, S51A00/B01/C01/C10/G00)	
Switching frequency	120 Hz (mod. S51F00)	
	5 kHz (mod. S50W03)	
	1,5 kHz (Laser mod. S50)	
Connection	2 m cable Ø 4 mm, 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	
Mechanical protection Ambient light rejection	IP67 according to EN 60947-5-2	
·		
Ambient light rejection	according to EN 60947-5-2	
Ambient light rejection Vibrations Shock resistance	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6)	
Ambient light rejection Vibrations	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27)	
Ambient light rejection Vibrations Shock resistance	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27) Plastic version PBT	
Ambient light rejection Vibrations Shock resistance Housing material Lens material	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27) Plastic version PBT Metal version nickel plated brass	
Ambient light rejection Vibrations Shock resistance Housing material	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27) Plastic version PBT Metal version nickel plated brass PMMA -25 55 °C	
Ambient light rejection Vibrations Shock resistance Housing material Lens material Operating temperature	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27) Plastic version PBT Metal version nickel plated brass PMMA -25 55 °C (Laser mod.) -10 50 °C	
Ambient light rejection Vibrations Shock resistance Housing material Lens material	according to EN 60947-5-2 0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6) 11 ms (30 G) 6 shock for every axis (EN60068-2-27) Plastic version PBT Metal version nickel plated brass PMMA -25 55 °C	

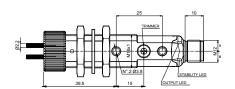
ODATALOGIC

S50

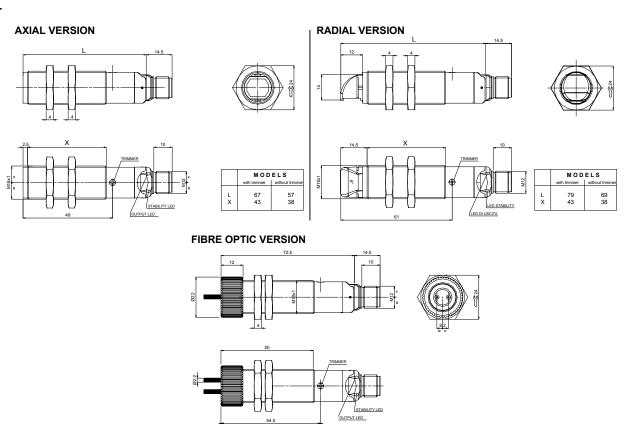
DIMENSIONS

PLASTIC



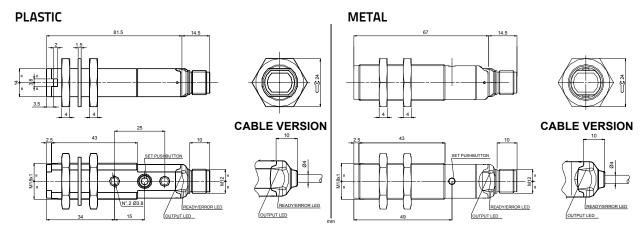


METAL

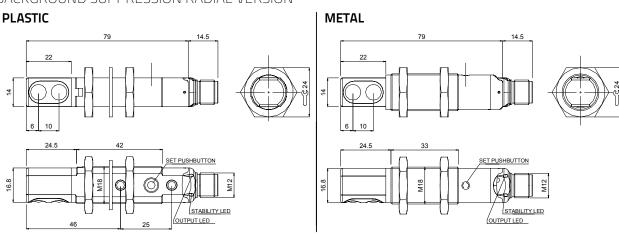


ODATALOGIC

BACKGROUND SUPPRESSION AXIAL VERSION

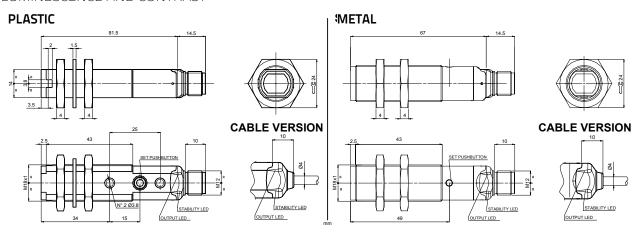


BACKGROUND SUPPRESSION RADIAL VERSION

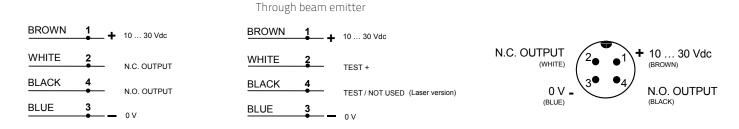


LUMINESCENCE AND CONTRAST

CABLE



CONNECTIONS



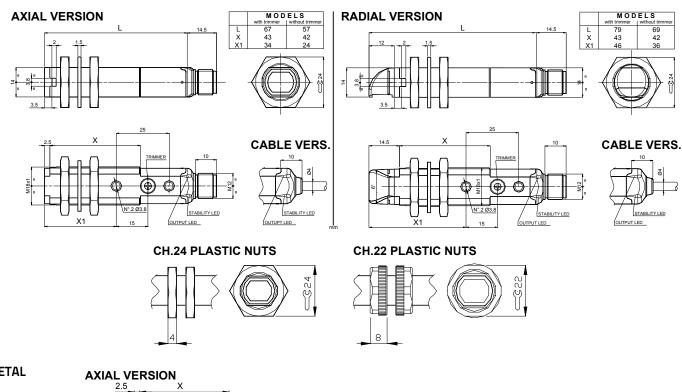
M12 CONNECTOR

ODATALOGIC

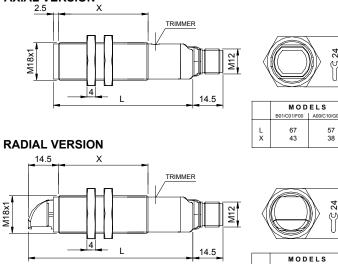
S51

DIMENSIONS

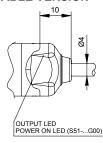
PLASTIC



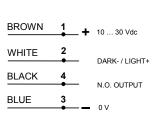
METAL



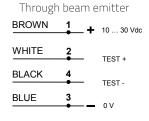
CABLE VERSION



CONNECTIONS



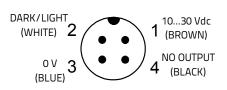
CABLE



mm

69 38

M12 CONNECTOR





S50/S51

INDICATORS AND SETTINGS

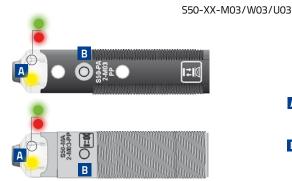
S50-XX...A00/B01/C01/C21/E01/F01/T01 S51-XX...B01/C01





- 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.



- A OUTPUT status LED Yellow READY LED Green ERROR LED Red
- 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.

S50-XX-C10 S51-XX-A00/C10/C20/F00/G00





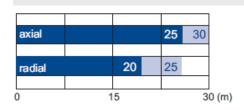
A00/C10/C20/F00

OUTPUT status LED Yellow
STABILITY LED green

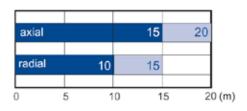
G00 OUTPUT status LED yellow (Only Emitter G00)

ODATALOGIC

S50 DETECTION DIAGRAMS

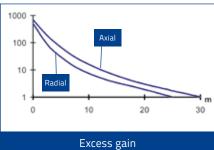


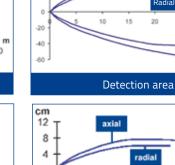
Recommended operating distance Maximum operating distance

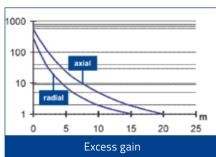


Recommended operating distance Maximum operating distance

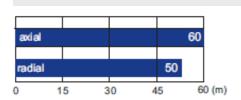
G/F INFRARED EMISSION





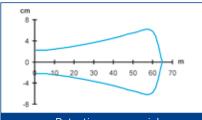


0 20 25 -8 12 Detection area

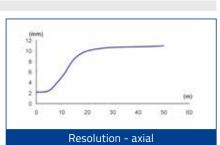


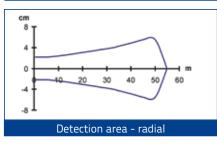
Operating distance

G/F LASER RED EMISSION

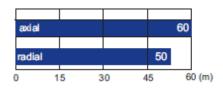


Detection area - axial

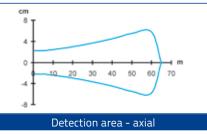




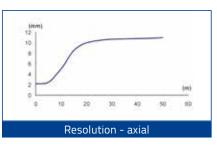
Resolution - radial

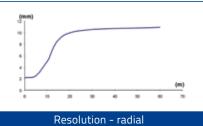


Operating distance

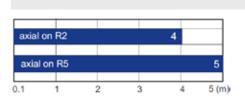


Detection area - radial



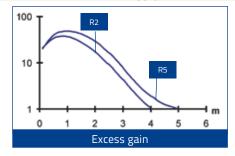


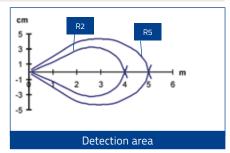
ODATALOGIC

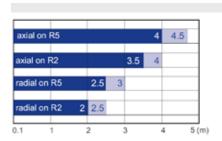


Operating distance

A INFRARED EMISSION



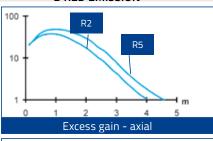




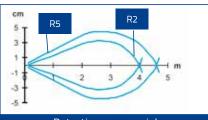
Recommended operating distance
Maximum operating distance

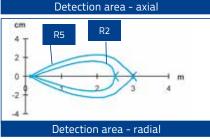
High efficiency reflectors can be used to obtain larger operating distances. Refer to **Reflectors** (A.01).

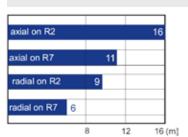
B RED EMISSION







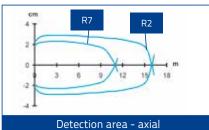


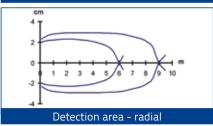


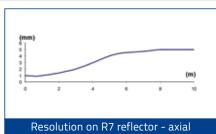
Operating distance

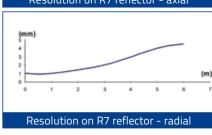
High efficiency reflectors can be used to obtain larger operating distances. Refer to **Reflectors** (A.01).

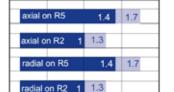
B LASER RED EMISSION





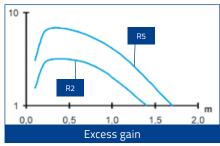


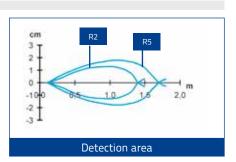




Recommended operating distance
Maximum operating distance

T RED EMISSION





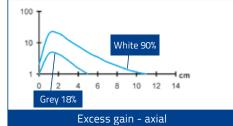
High efficiency reflectors can be used to obtain larger operating distances. Refer to Reflectors.

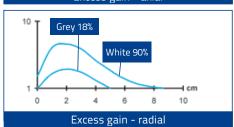
ODATALOGIC

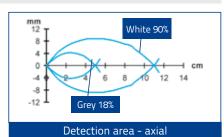


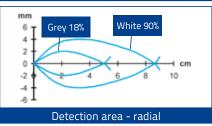
Recommended operating distance
Maximum operating distance

C SHORT INFRARED EMISSION





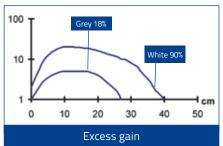


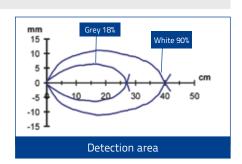


C MID INFRARED EMISSION

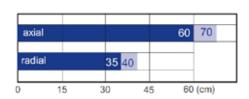


Recommended operating distance
Maximum operating distance

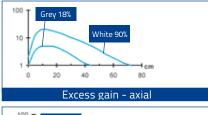




C LONG INFRARED EMISSION

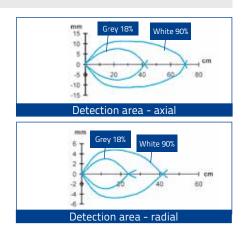


Recommended operating distance
Maximum operating distance



Grey 18%
White 90%
White 90%

Excess gain - radial



radial 10

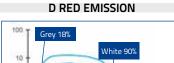
7.5

10 (cm)

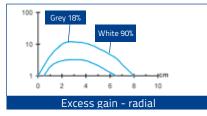
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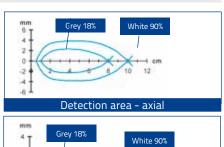
Operating distance

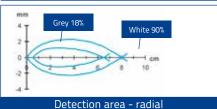
2.5



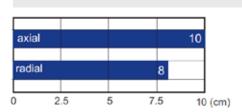
Excess gain - axial





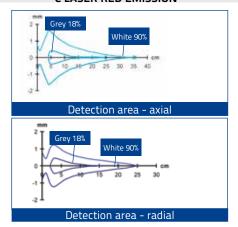


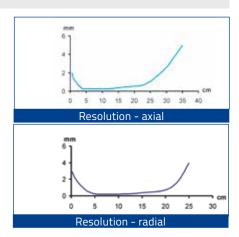
ODATALOGIC

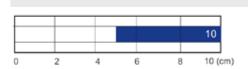


Operating distance

CLASER RED EMISSION

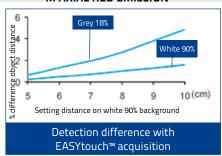


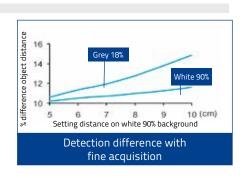


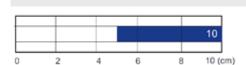


Operating distance

M AXIAL RED EMISSION

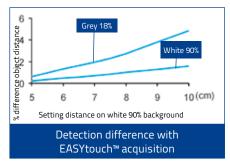


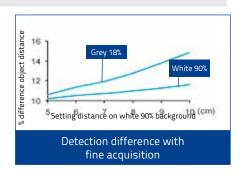




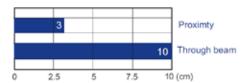
Operating distance

M RADIAL RED EMISSION





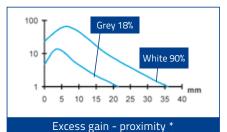
E RED EMISSION

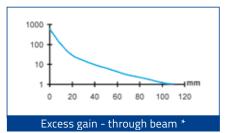


Operating distance with standard fibers

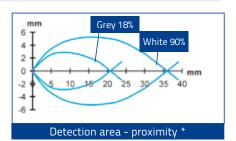
Standard Fiber-optics: OF-42-ST-20 proximity OF-43-ST-20 through beam

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





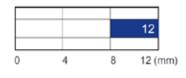
* standard Fiber-optics



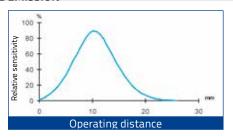
Detection area - through beam *

Tubular Sensors - S50/S51 *DATALOGIC

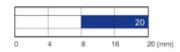
W WHITE EMISSION



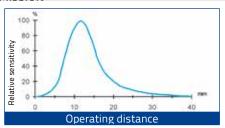
Operating distance



U UV EMISSION

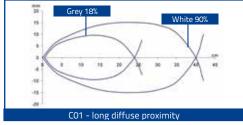


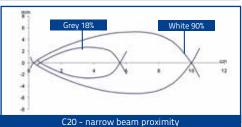
Operating distance

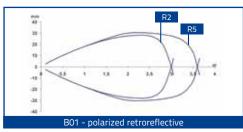


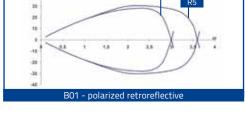
S51 DETECTION DIAGRAMS

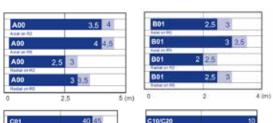
M18 STANDARD

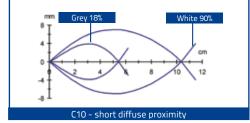


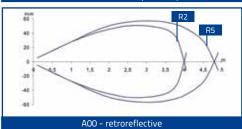


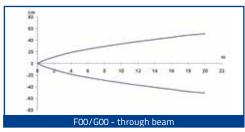












Note: the diagrams indicate the detection area typical of the axial optic versions; the maximum operating distance of the radial optic versions decreases as indicated in the tables given below



Recommended operating distance Maximum operating distance



MODEL SELECTION AND ORDER INFORMATION

		550 PLASTIC MODELS			
OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER No
		2m Cable	NPN	S50-PA-2-A00-NN	95200209
Retroreflective	LED, Axial optic		PNP	S50-PA-2-A00-PP	95200208
	·	M12 Connector	NPN	S50-PA-5-A00-NN	952002110
			PNP	S50-PA-5-A00-PP	952002100
		2m Cable	NPN	S50-PA-2-B01-NN	952001610
	LED, Axial optic		PNP	S50-PA-2-B01-PP	952001010
	,,	M12 Connector	NPN	S50-PA-5-B01-NN	952001500
			PNP	S50-PA-5-B01-PP	952001020
		2m Cable	NPN	S50-PR-2-B01-NN	952001780
	LED, Radial optic		PNP	S50-PR-2-B01-PP	952001030
		M12 Connector	NPN	S50-PR-5-B01-NN	952001720
Polarized retroreflective			PNP	S50-PR-5-B01-PP	952001040
		2m Cable	NPN	S50-PL-2-B01-NN	952001870
	LASER, Axial optic		PNP	S50-PL-2-B01-PP	952001360
	,	M12 Connector	NPN	S50-PL-5-B01-NN	952001840
				S50-PL-5-B01-PP	952001370
		2m Cable	NPN	S50-PH-2-B01-NN	952001950
	LASER, Radial optic	Z.i.r cubic	PNP	S50-PH-2-B01-PP	952001940
	Erisery reduction optic	M12 Connector	NPN	S50-PH-5-B01-NN	952001970
		WITZ CONNECTOR	PNP	S50-PH-5-B01-PP	952001960
		2m Cahle	NPN	S50-PA-2-C01-NN	952001620
	LED, Axial optic	ZIII Cabic	PNP	S50-PA-2-C01-PP	952001050
		M12 Connector	NPN	S50-PA-5-C01-NN	952001510
		WITZ CONNECTOR	PNP	S50-PA-5-C01-PP	952001060
	LED, Radial optic	2m Cahle	NPN	S50-PR-2-C01-NN	952001790
		ZIII Cable	PNP	S50-PR-2-C01-PP	952001070
		M12 Connector	NPN	S50-PR-5-C01-NN	952001730
Long Diffuse proximity		IVI'I 2 Lonnector	PNP	S50-PR-5-C01-PP	952001080
Long Birdse proximity	LASER, Axial optic	2m Cable	NPN	S50-PL-2-C01-NN	952001880
			PNP	S50-PL-2-C01-PP	952001380
		M12 Connector	NPN	S50-PL-5-C01-NN	952001850
			PNP	S50-PL-5-C01-PP	952001390
		2m Cablo	NPN	S50-PH-2-C01-NN	952001990
	LASER, Radial optic	ZIII Cable	PNP	S50-PH-2-C01-PP	952001980
	EASEIT, Italiai optic	M12 Connector	NPN	S50-PH-5-C01-NN	952002010
		WHZ Connector	PNP	S50-PH-5-C01-PP	952002000
		2m Cabla	NPN	S50-PA-2-C10-NN	952001630
	LED Axial optic	ZIII Cable	PNP	S50-PA-2-C10-PP	952001240
	LED, Axial optic	M12 Connector	NPN	S50-PA-5-C10-NN	952001520
Short Diffuse proximity		2m Cable PNP M12 Connector NPN 2m Cable NPN PNP NPN M12 Connector NPN PNP NPN M12 Connector NPN PNP NPN 2m Cable NPN NPN NPN NPN NPN NPN NPN NPN NPN M12 Connector NPN NPN NPN M12 Connector NPN NPN NPN NPN NPN NPN NPN	PNP	S50-PA-5-C10-PP	952001250
Prior c pinuse proximity		2m Cabla	NPN	S50-PR-2-C10-NN	952001800
	LED Padial antic	ZIII Cable	PNP	S50-PR-2-C10-PP	95200149
	LED, Radial optic	M12 Connector	NPN	S50-PR-5-C10-NN	952001740
		IVI 12 CUITTECLUI	Connector PNP m Cable PNP PNP	S50-PR-5-C10-PP	952001480
		2 C-h!	NPN	S50-PA-2-C21-NN	952002170
Andium Diffusa arguinita	LED Avial anti-	ziii Cable	PNP	S50-PA-2-C21-PP	952002160
Medium Diffuse proximity	LED, Axial optic	M13 Canna	NPN	S50-PA-5-C21-NN	952002190
		M12 Connector	PNP	S50-PA-5-C21-PP	952002180
		2 6 11	NPN	S50-PA-2-D00-NN	952001640
	LED A L	2m Cable	PNP	S50-PA-2-D00-PP	952001090
	LED, Axial optic	1412.5	NPN	S50-PA-5-D00-NN	952001530
5: 15		M12 Connector	PNP	S50-PA-5-D00-PP	952001100
Fixed focus			NPN	S50-PR-2-D00-NN	952001810
		2m Cable	PNP	S50-PR-2-D00-PP	952001110
	LED, Radial optic		NPN	S50-PR-5-D00-NN	952001750
		M12 Connector	PNP	S50-PR-5-D00-PP	952001120
			NPN	S50-PA-2-E01-NN	952001650
		2m Cable	PNP	S50-PA-2-E01-PP	952001030
Fiber optic	LED, Axial optic		NPN	S50-PA-5-E01-NN	9520011540
	,	M12 Connector	PNP	S50-PA-5-E01-PP	JJ2001J40



OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER No.
		2 6 11	NPN	S50-PA-2-F01-NN	952001660
	LED A : L L	2m Cable	PNP	S50-PA-2-F01-PP	952001150
	LED, Axial optic	1412.6	NPN	S50-PA-5-F01-NN	952001550
		M12 Connector	PNP	S50-PA-5-F01-PP	952001160
		2 C-hl-	NPN	S50-PR-2-F01-NN	952001820
	150.0 11.1 11	2m Cable	PNP	S50-PR-2-F01-PP	952001170
	LED, Radial optic	M42 Caranatan	NPN	S50-PR-5-F01-NN	952001760
Thurst the base was in an		2m Cable	S50-PR-5-F01-PP	952001180	
Through beam receiver			S50-PL-2-F01-NN	952001890	
	LACED Avial antic	2m Cable	PNP	S50-PL-2-F01-PP	952001400
	LASER, Axial optic	M42 Caranatan	NPN	S50-PL-5-F01-NN	952001860
		WHZ Connector	PNP	S50-PL-5-F01-PP	952001410
		2 C-1-	NPN	S50-PH-2-F01-NN	952002030
	LACED D. II. L. II.	2m Cable	PNP	S50-PH-2-F01-PP	952002020
	LASER, Radial optic	1412.5	NPN	S50-PH-5-F01-NN	952002050
		M12 Connector	NPN PNP	S50-PH-5-F01-PP	952002040
	LED A : L . I:	2m Cable	-	S50-PA-2-G00-XG	952001190
	LED, Axial optic	M12 Connector	-	S50-PA-5-G00-XG	952001200
		2m Cable	-	S50-PR-2-G00-XG	952001210
T1 1.1 30	LED, Radial optic	M12 Connector	-	S50-PR-5-G00-XG	952001220
Through beam emitter		2m Cable	-	S50-PL-2-G00-XG	952001420
	LASER, Axial optic	M12 Connector	-	S50-PL-5-G00-XG	952001430
	LASER, Radial optic	2m Cable	-	S50-PH-2-G00-XG	952002060
		M12 Connector	-	S50-PH-5-G00-XG	952002070
	LED, Axial optic	2m Cable	NPN	S50-PA-2-M03-NN	952001670
			PNP	S50-PA-2-M03-PP	952001230
			NPN	S50-PA-5-M03-NN	952001560
		M12 Connector	PNP	S50-PA-5-M03-PP	952001000
Background suppression			NPN	S50-PS-2-M03-NN	952001900
		2m Cable	PNP	S50-PS-2-M03-PP	952001910
	LED, Radial optic		NPN	S50-PS-5-M03-NN	952001920
		M12 Connector	M12 Connector PNP 2m Cable NPN M12 Connector NPN 2m Cable NPN M12 Connector NPN PNP NPN M12 Connector - 2m Cable - M12 Connector - 2m Cable - M12 Connector - 2m Cable - M12 Connector - 2m Cable NPN PNP NPN <t< td=""><td>S50-PS-5-M03-PP</td><td>952001930</td></t<>	S50-PS-5-M03-PP	952001930
			NPN	S50-PA-2-T01-NN	952001690
		2m Cable	PNP	S50-PA-2-T01-PP	952001260
	LED, Axial optic		NPN	S50-PA-5-T01-NN	952001580
		M12 Connector		S50-PA-5-T01-PP	952001270
Retroreflective for transparent				S50-PR-2-T01-NN	952001830
		2m Cable	PNP	S50-PR-2-T01-PP	952001280
	LED, Radial optic		NPN	S50-PR-5-T01-NN	952001770
		M12 Connector	PNP	S50-PR-5-T01-PP	952001290
				S50-PA-2-U03-NN	952001700
		2m Cable		S50-PA-2-U03-PP	952001300
Luminescence	LED, Axial optic			S50-PA-5-U03-NN	952001590
		M12 Connector	PNP NPN PNP Connector Connector PNP PNP Connector PNP Connector PNP PNP NPN PNP PNP PNP PNP PNP PNP Connector PNP PNP PNP PNP PNP PNP PNP PNP PNP P	S50-PA-5-U03-PP	952001310
				S50-PA-2-W03-NN	952001710
		2m Cable		S50-PA-2-W03-PP	952001710
Contrast	LED, Axial optic			S50-PA-5-W03-NN	952001600
		M12 Connector		S50-PA-5-W03-PP	952001330



		S50 METAL MODELS			
OPTIC FUNCTION	EMISSION	CONNECTION	ОИТРИТ	MODEL	ORDER No.
					952022090
		2m Cable			952022080
Retroreflective	LED, Axial optic				952022110
		M12 Connector	OUTPUT MODEL NPN \$50-MA-2-A00-NN PNP \$50-MA-2-A00-PP NPN \$50-MA-5-A00-NN PNP \$50-MA-5-A00-PP NPN \$50-MA-2-B01-NN PNP \$50-MA-2-B01-PP NPN \$50-MA-5-B01-PP NPN \$50-MA-5-B01-PP NPN \$50-MR-2-B01-NN PNP \$50-MR-2-B01-PP NPN \$50-MR-5-B01-NN PNP \$50-ML-2-B01-NN PNP \$50-ML-2-B01-NN PNP \$50-ML-2-B01-NN PNP \$50-ML-2-B01-NN PNP \$50-ML-2-B01-NN PNP \$50-ML-5-B01-PP NPN \$50-ML-5-B01-PP NPN \$50-ML-5-B01-NN PNP \$50-ML-5-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MH-2-B01-NN PNP \$50-MA-2-C01-NN <tr< td=""><td>952022110</td></tr<>	952022110	
					952022100
		2m Cable			952021000
	LED, Axial optic				
		M12 Connector			952021660
					952021200
		2m Cable			952021600
	LED, Radial optic				952021140
	,	M12 Connector	NPN	S50-MR-5-B01-NN	952021760
Polarized retroreflective		IVITZ COMPECTOR	PNP	S50-MR-5-B01-PP	952021340
r dianized retroremective		2m Cable	NPN	S50-ML-2-B01-NN	952021820
	LACED Avial antic	ZIII Cable	PNP	S50-ML-2-B01-PP	952021400
	LASER, Axial optic	M42 C	NPN	S50-ML-5-B01-NN	952021850
		M12 Connector	PNP	S50-ML-5-B01-PP	952021440
			NPN	S50-MH-2-B01-NN	952021950
		2m Cable			952021940
	LASER, Radial optic				952021970
		M12 Connector	2m Cable NPN M12 Connector NPN 2m Cable NPN M12 Connector NPN NPN NPN 2m Cable NPN NPN PNP NPN NPN PNP NPN 2m Cable NPN NPN PNP M12 Connector NPN NPN PNP MPN PNP 2m Cable NPN NPN PNP NPN PNP		952021960
		2m Cable			952021510
	LED, Axial optic				952021010
		M12 Connector			952021670
					952021210
		2m Cable		S50-MR-2-C01-NN	952021610
	LED, Radial optic		PNP	S50-MR-2-C01-PP	952021150
		NA12 Caracatan	NPN	S50-MR-5-C01-NN	952021770
Long Diffuse provincity		WHZ CONNECTOR	PNP	S50-MR-5-C01-PP	952021350
Long Diffuse proximity		2 C	NPN	S50-ML-2-C01-NN	952021830
	1.0550	2m Cable	PNP	S50-ML-2-C01-PP	952021410
	LASER, Axial optic		NPN	S50-ML-5-C01-NN	952021860
		M12 Connector	PNP	S50-ML-5-C01-PP	952021450
					952021990
		2m Cable			952021980
	LASER, Radial optic				952022010
		M12 Connector			952022010
					952021520
		2m Cable			
	LED, Axial optic				952021020
	•	M12 Connector			952021680
Short Diffuse proximity		2m Cable PNP M12 Connector NPN 2m Cable NPN PNP NPN M12 Connector NPN PNP NPN PNP NPN M12 Connector NPN PNP NPN M12 Connector PNP NPN PNP M12 Connector PNP NPN PNP NPN		952021220	
r		2m Cahle			952021620
	LED, Radial optic	2 Cubic	PNP	S50-MR-2-C10-PP	952021490
	EED, Nadiai optic	M12 Connector	NPN	S50-MR-5-C10-NN	952021780
		IVITZ CONTRECTOR	PNP NPN PNP	S50-MR-5-C10-PP	952021480
		2m C-1-1-	NPN	S50-MA-2-C21-NN	952022130
M. P. Diff	155 4 1 1 11	2m Cable	PNP	S50-MA-2-C21-PP	952022120
Medium Diffuse proximity	LED, Axial optic				952022150
		M12 Connector			952022140
					952021140
		2m Cable			952021030
	LED, Axial optic				952021690
		M12 Connector			
Fixed focus					952021230
		2m Cable			952021630
	LED, Radial optic				952021160
	,	M12 Connector			952021790
				S50-MR-5-D00-PP	952021360
		2m Cable		S50-MA-2-E01-NN	952021880
Eibor optic	LED Avial antic	ZIII CaUIE	PNP	S50-MA-2-E01-PP	952021040
Fiber optic	LED, Axial optic	M42.6	NPN	S50-MA-5-E01-NN	952021890
		M12 Connector			



OPTIC FUNCTION	EMISSION	CONNECTION	OUTPUT	MODEL	ORDER No.
		0.611	NPN	S50-MA-2-F01-NN	952021540
		2m Cable	PNP	S50-MA-2-F01-PP	952021050
	LED, Axial optic		NPN	S50-MA-5-F01-NN	952021700
		M12 Connector	PNP	S50-MA-2-F01-NN NP S50-MA-5-F01-PP NP S50-MA-5-F01-PP NP S50-MR-2-F01-PP NP S50-MR-2-F01-PP NP S50-MR-5-F01-PP NP S50-MR-5-F01-PP NP S50-MR-5-F01-NN NP S50-MR-5-F01-PP NP S50-ML-2-F01-NN NP S50-ML-2-F01-PP NP S50-ML-5-F01-PP NP S50-ML-5-F01-PP NP S50-ML-5-F01-PP NP S50-ML-5-F01-PP NP S50-ML-6-F01-PP NP S50-MR-6-F01-PP NP S51-MR-6-F00-PR NP S51-MR-6-F00-PR NP S51-MR-6-F00-PR NP S51-MR-6-F00-PR NP S51-MR-6-F00-PR NP S51-MR-6-F00-PR NP S51-MR-6-F00-	952021250
		0.011	NPN	S50-MR-2-F01-NN	952021640
	150.0 11.1	2m Cable	PNP	S50-MR-2-F01-PP	952021170
	LED, Radial optic	1110 0	NPN	S50-MR-5-F01-NN	952021800
		M12 Connector	PNP	S50-MR-5-F01-PP	952021370
Through beam receiver		2 611	NPN	S50-ML-2-F01-NN	952021840
	1.4550 1.11 1.1	2m Cable	PNP	S50-ML-2-F01-PP	952021420
	LASER, Axial optic		NPN	S50-ML-5-F01-NN	952021870
		M12 Connector	PNP	S50-ML-5-F01-PP	952021460
		0.011	NPN	S50-MH-2-F01-NN	952022030
		2m Cable	PNP	S50-MH-2-F01-PP	952022020
	LASER, Radial optic		NPN	S50-MH-5-F01-NN	952022050
		M12 Connector	PNP	S50-MH-5-F01-PP	952022040
		2m Cable	-	S50-MA-2-G00-XG	952021060
	LED, Axial optic	M12 Connector	-	S50-MA-5-G00-XG	952021260
		2m Cable	-		952021180
	LED, Radial optic	M12 Connector	-		952021380
Through beam emitter		2m Cable	_		952021430
	LASER, Axial optic		_		952021470
			_		952022060
	LASER, Radial optic		_	\$50-MA-2-F01-NN \$50-MA-5-F01-PP \$50-MA-5-F01-PP \$50-MR-2-F01-NN \$50-MR-2-F01-PP \$50-MR-2-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-ML-2-F01-NN \$50-ML-2-F01-PP \$50-ML-5-F01-PP \$50-MR-5-G00-XG \$50-ML-5-G00-XG \$50-ML-5-F01-PP \$50-MR-5-G00-XG \$50-ML-5-F01-PP \$50-MR-5-G00-XG \$50-ML-5-F01-PP \$50-MR-5-G00-XG \$50-ML-5-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-MR-5-M03-PP \$50-MR-5-M03-PP \$50-MR-5-M03-PP \$50-MR-5-M03-PP \$50-MR-5-M03-PP \$50-MR-5-M03-PP \$50-MR-5-T01-NN \$50-MR-2-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-T01-PP \$50-MR-5-W03-PP \$50-MR-5-W03-PP	952022070
		W12 Connector	NPN	\$50-MA-2-F01-PP \$50-MA-5-F01-NN \$50-MR-2-F01-PP \$50-MR-2-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-ML-2-F01-NN \$50-ML-2-F01-NN \$50-ML-5-F01-PP \$50-ML-5-F01-PP \$50-ML-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MA-5-G00-XG \$50-MR-5-M03-PP \$50-MA-5-M03-PP \$50-MS-5-M03-PP \$50-MS-5-M03-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-T01-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP \$50-MS-5-W03-PP	952021550
	LED, Axial optic	2m Cable			952021070
Background suppression		M12 Connector			952021270
Background suppression					952021270
	LED, Radial optic			PN S50-MA-5-F01-NN NP S50-MA-5-F01-PP PN S50-MR-2-F01-PP PN S50-MR-2-F01-NN NP S50-MR-5-F01-PP PN S50-MR-5-F01-PP PN S50-ML-2-F01-NN NP S50-ML-2-F01-NN NP S50-ML-5-F01-PP PN S50-ML-5-F01-NN NP S50-ML-5-F01-NN NP S50-ML-5-F01-NN NP S50-MH-5-F01-PP PN S50-MH-5-F01-PP PN S50-MH-5-F01-NN NP S50-MH-5-F01-NN NP S50-MH-5-F01-NN NP S50-MH-5-F01-PP PN S50-MA-2-G00-XG - S50-MA-2-G00-XG - S50-MR-2-G00-XG - S50-MR-5-G00-XG - S50-MR-5-F01-PP NP S50-MA-2-M03-PP NP S50-MA-2-M03-PP NP S50-MA-2-M03-PP NP S50-MA-2-T01-NN NP S50-MS-2-M03-PP NP S50-MS-2-T01-NN NP S50-MS-2-T01-PP PN S50-MS-2-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-T01-PP PN S50-MS-5-W03-PP NP S50-MS-5-W03-PP	952021930
		W12 CONNECTOR		\$50-MA-5-F01-NN \$50-MR-2-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-MR-5-F01-PP \$50-ML-2-F01-PP \$50-ML-5-F01-PP \$50-ML-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MH-5-F01-PP \$50-MA-2-G00-XG \$50-MR-2-G00-XG	952021570
		2m Cable			952021090
	LED, Axial optic	PNP NPN NPN PNP NPN NPN PNP NPN NPN NPN PNP NPN NPN		952021730	
		M12 Connector			952021790
Retroreflective for transparent					952021250
		2m Cable			952021090
	LED, Radial optic				952021130
		M12 Connector			952021810
Luminescence	LED, Axial optic	M12 Connector			952021390
Lunimescence	LLD, AXIdI UPLIC				952021300
Contract	LED, Axial optic	ZIII CADIE			
Contrast	LLD, AXIAI OPUIC	M12 Connector			952021750 952021310
			PINE	330-MA-3-W03-PP	952021510
		S51 MODELS			
OPTIC FUNCTION	HOUSING/OPTIC	CONNECTION		MODEL	ORDER No.
		2m Cable			952701601
	Nickel Plated Brass, Axial				952701541
		M12 Connector			952701801
					952701531 952701711
		2m Cable			952701711
	Nickel Plated Brass, Radial	M42.5			952701911
Retroreflective		M12 Connector	PNP S50-I NPN S50-I PNP S50-I NPN S50-I PNP S50-I NPN S51-I PNP S51-I		952701851
Retrorenettive		2m Cable	NPN		952701071
	Plastic, Axial	ZIII CUDIC	PNP		952701001
	r idocic, rividi	M12 Copportor	NPN	S51-PA-5-A00-NK	952701331

952701261

952701201

952701131

952701461

952701391

S51-PA-5-A00-PK

S51-PR-2-A00-NK

S51-PR-2-A00-PK

S51-PR-5-A00-NK

S51-PR-5-A00-PK

NPN

PNP

NPN

PNP

M12 Connector

2m Cable

M12 Connector

Plastic, Radial

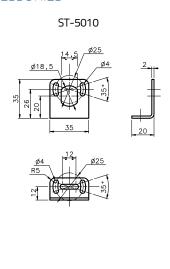
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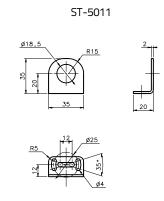
OPTIC FUNCTION	HOUSING/OPTIC	CONNECTION	OUTPUT	MODEL	ORDER No.
		2m Cahlo	NPN	S51-MA-2-B01-NK	952701611
	Nickel Plated Brass Avial	ZIII Cable	PNP	S51-MA-2-B01-PK	952701551
	Michel Flated Brass, Axial	M12 Connector	NPN	S51-MA-5-B01-NK	952701811
		Z Commector	NPN S51-MA-2-B01-NK PNP S51-MA-5-B01-PK NPN S51-MA-5-B01-PK NPN S51-MA-5-B01-PK NPN S51-MA-5-B01-PK NPN S51-MR-2-B01-PK NPN S51-MR-2-B01-PK NPN S51-MR-2-B01-PK NPN S51-MR-5-B01-PK NPN S51-MR-5-B01-PK NPN S51-MR-5-B01-PK NPN S51-PA-2-B01-PK NPN S51-PA-2-B01-PK NPN S51-PA-5-B01-PK NPN S51-MA-2-C01-PK NPN S51-MA-2-C01-PK NPN S51-MA-2-C01-PK NPN S51-MA-5-C01-PK NPN S51-MA-5-C01-PK NPN S51-MR-5-C01-PK NPN S51-MR-5-C01-PK NPN S51-PA-2-C01-PK NPN S51-PA-2-C01-PK NPN S51-PA-2-C01-PK NPN S51-PA-5-C01-PK NPN S51-PA-5-C00-PK NPN	952701761	
		2m Cahle		S51-MR-2-B01-NK	952701721
	Nickel Plated Brass, Axial	ZIII Cabic	PNP	S51-MR-2-B01-PK	952701661
	Mickel Flated Blass, Madial	M12 Copportor	2m Cable NPN \$51-MA-2-E PNP \$51-MA-2-E 2 Connector PNP \$51-MA-5-E 2m Cable NPN \$51-MA-5-E 2m Cable PNP \$51-MR-2-E 2 Connector PNP \$51-MR-5-E 2m Cable PNP \$51-PA-2-E 2 Connector PNP \$51-PA-2-E 2 Connector PNP \$51-PA-5-E 2 Connector PNP \$51-PA-5-E 2 Connector PNP \$51-PR-2-E 2 Connector PNP \$51-PR-2-E 2 Connector PNP \$51-PR-3-E 2 Connector PNP \$51-MR-2-C 2 Connector PNP \$51-PR-2-C 2 Connector PNP \$51-PR-2-C 2 Connector PNP \$51-PR-2-C 2 Connector <t< td=""><td>S51-MR-5-B01-NK</td><td>952701921</td></t<>	S51-MR-5-B01-NK	952701921
Delarized retroreflective		WHZ CONNECTOR	PNP	S51-MR-5-B01-PK	952701861
Polarized retroreflective		2m Cabla	NPN	S51-PA-2-B01-NK	952701081
	Diagtic Avial	ZIII Cable	PNP	S51-PA-2-B01-PK	952701011
	Plastit, Axiai	M42 C	NPN	S51-PA-5-B01-NK	952701341
		M12 Connector	PNP	S51-PA-5-B01-PK	952701271
		0.511	NPN	S51-PR-2-B01-NK	952701211
		M12 Connector	S51-PR-2-B01-PK	952701141	
	Plastic, Radial			952701471	
		M12 Connector			952701401
					952701621
		2m Cable			952701561
	Nickel Plated Brass, Axial				952701821
		M12 Connector			952701771
					952701771
		2m Cable	m Cable NPN PNP PNP NPN PNP NPN PNP NPN PNP NPN PNP NPN NPN PNP NPN NPN PNP NPN NP		952701731
	Nickel Plated Brass, Radial				952701671
		M12 Connector			95270193
Medium diffuse proximity					
		2m Cable			952701091
	Plastic, Axial		NPN S5 PNP S5 NPN S5		952701021
		M12 Connector	NPN \$51-MA-PNP PNP \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MR-PNP NPN \$51-MR-PNP NPN \$51-PA-PNP NPN \$51-PA-PNP NPN \$51-PA-PNP NPN \$51-PA-PNP NPN \$51-PR-PNP NPN \$51-PR-PNP NPN \$51-PR-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-MA-PNP NPN \$51-PA-PNP		952701351
					952701281
		2m Cable			952701221
	Plastic, Radial				952701151
		M12 Connector	PNP		952701481
					952701411
		Nickel Plated Brass, Axial			952701631
	Nickel Plated Brass, Axial				95270157
				S51-MA-5-C10-NK	952701831
		WITZ CONNECTOR	PNP	S51-MA-5-C10-PK	952701521
			NPN	S51-MR-2-C10-NK	952701741
	Nickel Diated Brass Dadial		PNP	S51-MR-2-C10-PK	952701681
	Wicker Flated Drass, Nadial		NPN	S51-MR-5-C10-NK	952701941
Short diffuse provimity		IVITZ COTTRECTOR	PNP	S51-MR-5-C10-PK	952701881
Short direase proximity		2m Cable	NPN	S51-PA-2-C10-NK	952701101
	Diactic Avial	ZIII Cable	PNP	S51-PA-2-C10-PK	952701031
	riastic, Axiai	M12 Copportor	NPN	S51-PA-5-C10-NK	952701361
		WHZ CONNECTOR	PNP	S51-PA-5-C10-PK	952701291
		2m Cabla	NPN	S51-PR-2-C10-NK	952701231
	Diagtic Dadict	ZIII Cable	PNP	S51-PR-2-C10-PK	95270116
	Piastic, Radiāl	M42 C			952701491
		IVI I Z Lonnector			95270142
Narrow beam proximity	Nickel Plated Brass, Axial	M12 Connector			952701961
1					95270164
	NI LIBLA I B	2m Lable			95270158
	Nickel Plated Brass, Axial	11.05			95270184
		M12 Connector			95270178
			NPN		95270175
		2m Cable	NPN		95270169°
	Nickel Plated Brass, Radial		NPN S51-MA-2-B01-Nk		95270105
		M12 Connector		NPN	95270193
Through beam receiver					95270109
		2m Cable			95270112
	Plastic, Axial				95270105
		M12 Connector			
					95270131
		2m Cable			95270125
	Plastic, Radial				952701181
		M12 Connector			952701511
			PNP		95270144
	Nickel Plated Brass, Axial		-		952701591
	The state of the s	M12 Connector	-		95270179
	Nickel Plated Brass, Radial	2m Cable	-		952701701
Through beam emitter	. v.e.c racea brass, Nadiai	M12 Connector	-		952701901
oagir bearif efficter	Plastic, Axial	2m Cable	-		952701061
	i idotic, Axidi	M12 Connector	-		952701321
	Diactic Dadial	2m Cable	-	S51-PR-2-G00-XG	952701191
	Plastic, Radial	M12 Connector	_	S51-PR-5-G00-XG	952701451

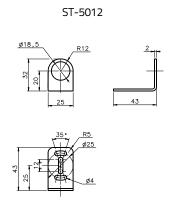
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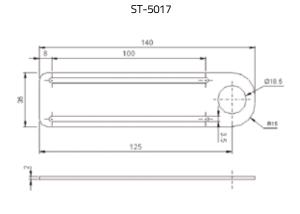
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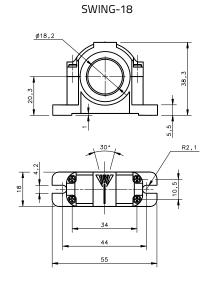
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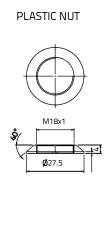


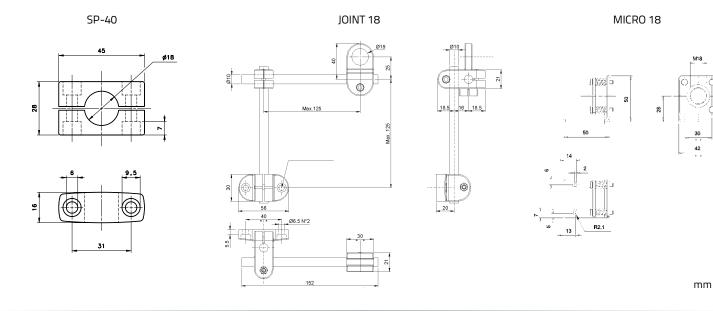














MODEL	DESCRIPTION	ORDER No.
ST-5010	M18/14 mounting bracket	95ACC5230
ST-5011	M18 mounting bracket short	95ACC5240
ST-5012	M18 mounting bracket long	95ACC5250
ST-5017	M18 mounting bracket	95ACC5270
S50 EASY -IN	M18/14 EASY in™ adjustable mounting support	95ACC 5300
JOINT -18	M18 jointed support	95ACC 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

CABLES

TYPE	DESCRIPTION	LENGTH	MODEL	ORDER No.
		3 m	CS-A1-02-G-03	95A251380
	4-pole, grey, P.V.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 Wi 12 Connector		10 m	CS-A1-02-G-10	95A251390
	4-pole, P.U.R.	2 m	CS-A1-02-R-02	95A251540
	4-pole, P.O.R.	5 m	CS-A1-02-R-05	95A251560
		3 m	CS-A2-02-G-03	95A251360
	4-pole, grey, P.V.C.	5 m	CS-A2-02-G-05	95A251240
Radial M12 Connector	4-poie, grey, P.v.c.	7 m	CS-A2-02-G-07	95A251245
Radial M12 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
Radial M12 Connector	4-pole, grey, P.V.C.	3 m	CS-A2-12-G-03	95A251400
with LED		5 m	CS-A2-12-G-05	95A251350
(for PNP N.O. sensors)		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,	10 m	CV-A1-22-B-10	95ACC1500
		15 m	CV-A1-22-B-15	95ACC2070
	P.V.C.	25 m	CV-A1-22-B-25	95ACC2090
		3 m	CV-A2-22-B-03	95ACC1540
Radial M12 Connector		5 m	CV-A2-22-B-05	95ACC1550
		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
AXIdI IVI 12 CUTITIECLUI		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