HIGH-PERFORMANCE SENSORS











- · High-resolution sensors with LED or Laser emission
- Background suppression models ranging from 30 cm to 2 m
- Polarised retroreflex with operating distance reaching 20 m
- Sturdy ABS housing with compact 50 x 50 x 18 mm dimensions
- NPN or PNP double output with standard NO-NC configuration

Standard 50X50

S62 SERIES

The **S62** series, developed in the $50 \times 50 \times 18$ mm compact plastic housing, offers the maximum performances in the main optic detection functions for industrial automation.

The background suppression proximity models reach a 3-30 cm range with visible red LED emission, or 6-60, 6-120 and 20-200 cm with infrared emission. The operating distance can be adjusted through a precise multiturn mechanical regulation of the optic triangulation, to obtain the maximum immunity against colour differences of the objects to detect or of the backgrounds to suppress, even if very reflective.

The polarised retroreflex models with visible red LED emission present a very long operating distance reaching 10 m with high excess gain and immunity against reflection received from objects different from a prismatic reflector, such as shiny mirror surfaces.

Furthermore, versions with visible red Laser emission are available with both 3-15 or 5-35 cm background suppression proximity and polarised retroreflex reaching more than 22 m.

These Laser sensors are characterised by a very small light spot, as well as a low response time that guarantee excellent detection repeatability, even of very small objects or movements.



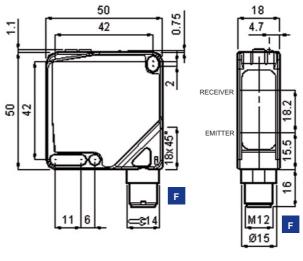
S62 SERIES

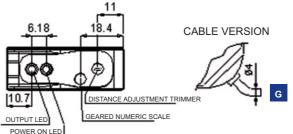
The background suppression proximity can set very precisely the limit over which the object is not detected, with minimum differences also between objects with material or colour differences. The threshold switching adjustment is easier and more precise thanks to the multiturn mechanical trimmer and the gear numeric scale.

The polarised retroreflex, thanks to high-polarisation optic filters, detects also very reflective objects also with mirror surfaces, that however do not rotate the polarisation plane of the reflected light, like the prismatic reflector.

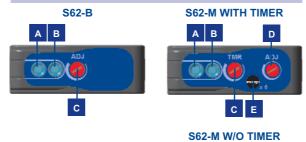


DIMENSIONS





INDICATORS AND SETTINGS



- A Output status LED
- B Stability LED or Power ON LED (laser vers.)
 - c Timer adjustment trimmer
- Distance adjustment trimmer
- Geared numeric scale
- F M12 connector output
- G Cable output

ACCESSORIES

For **dedicated accessories** refer to the **ACCESSORIES** section.

Refer also to **Connectors** and **Reflectors** of the **General Catalogue**.

CONNECTIONS

Е

А В

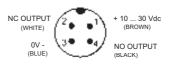






S62-PA-5



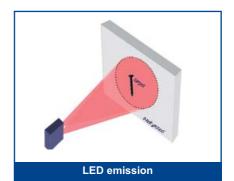


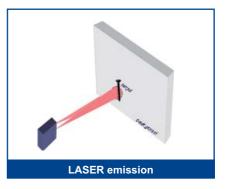
EMISSION TYPE

The very low black/white difference of background suppression sensors allows to detect a dark-coloured target presence, or absence, even onto a lightcoloured very reflective background. However, if the target is much smaller than the light spot and smaller than the background area, the detection can be critical either for the low resolution and for the 'cross-eyed effect' (excessive light reflected by the background).

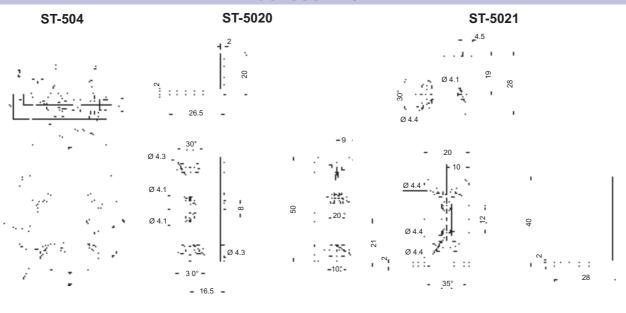
The narrow collimated light beam of the S62 LASER background suppression sensor is the right solution able to offer the requested resolution and avoid the cross-eyed effect, thus permitting the detection of the smallest objects or their minimal movements, even in presence of large and reflective background area. The LASER polarised retroreflex sensor of the S62 series, as well as increasing the maximum operating distance, offers the improvement of the detection resolution thanks to the smaller dimensions of the light beam respect to the LED emission beam.

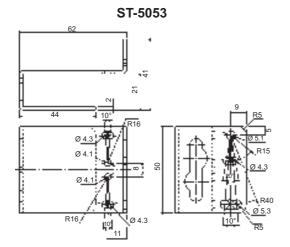
Basically, the mimumum detectable dimension corresponds to the emission beam diameter at the detection distance. The maximum resolution can be obtained only with microprismatic reflectors (0.8 mm microcubes), such as the small R8 suitable for short distances up to 2 m, or the R7 and R20 models for distance up to 22 m.

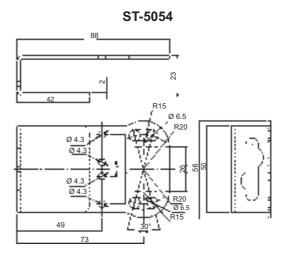




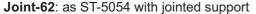
ACCESSORIES







mm



TECHNICAL DATA OF MODELS WITH LED EMISSION

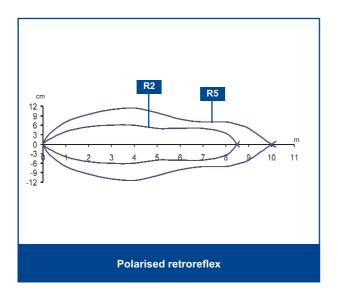
													\exists	T	$\overline{}$
		2-B01	2-M01	2-M11	2-M21	2-M31	5-B01	5-M01	5-M05	5-M11	5-M15	5-M21	5-M25	5-M31	5-M35
		S62-PA-2-B01	S62-PA-2-M01	S62-PA-2-M11	S62-PA-2-M21	S62-PA-2-M31	S62-PA-5-B01	S62-PA-5-M01	S62-PA-5-M05	S62-PA-5-M11	S62-PA-5-M15	S62-PA-5-M21	S62-PA-5-M25	S62-PA-5-M31	S62-PA-5-M35
		Se	S	S	Se										
Polarised retroreflex operating distance:	0 10 m (on R5)	•					•								
Background suppr. operating distance:	30 300 mm		•					•	•				\Box	T	
	60 600 mm			•						•	•			\Box	
	60 1200 mm				•							•	•	П	
	200 2000 mm					•								•	•
Power supply:	10 30 Vdc	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ripple:	≤ 2 Vpp	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Consumption:	≤ 40 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Light emission :	red LED 640 nm	•					•							Т	
	red LED 660 nm		•					•	•				\Box	T	
	infrared LED 880 nm			•	•	•				•	•	•	•	•	•
Spot dimension:	6 x 6 mm at 200 mm	\top	•					•	•				\exists	\top	\neg
	15 x 15 mm at 400 mm			•	•					•	•	•	•	\top	\neg
	ca. 80 mm at 3 m	•					•						\exists	T	
	200 x 200 at 2000 mm					•				П		\exists	\exists	•	•
Setting:	270° trimmer	•					•			П		\exists	\exists	\top	\neg
- County	6-turn trimmer		•	•	•	•		•	•	•	•	•	•	•	•
Indicators:	yellow OUTPUT LED	•	•	•	•	•	•	•	•	•	•	•	•	•	•
mulcators.	green STABILITY LED	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Output type:	PNP, NO and NC (-PP suffix)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
output type.	NPN, NO and NC (-NN suffix)		•	•	•	•	•	•	•	•	•	•	•	•	•
Output current:	≤ 100 mA	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Saturation voltage:	≤ 2 V	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Response time:	500 μs	•	•	•			•	•	•	•	•		+	Ť	_
Response time.	1 ms	+	_		•			_	_			•	•	+	_
	1.5 ms	+	_		_	•				Н	-		-	•	•
May avitabing fraguency			-			•				Н	-	\dashv	\dashv	-	•
Max. switching frequency:	330 Hz				•	_				Н		•	•	_	_
	500 Hz	•	•	•	_		•	•	•	•	•		-	+	_
	1 kHz	_	•	•	•	•	_	•	•					•	
Operating mode:	light on NO / dark on NC	•	_	_	_	_	•	_	_		-	-	-	_	_
	light on NC / dark on NO	_							•	Н	•	\dashv	•	+	•
Timing function:	0 1 sec.	-		_					•	Н	-	\dashv	-	\dashv	_
Connection:	2 m Ø 4 mm cable ²	•	•	_	•	•				Н	-	\dashv	\dashv	\dashv	_
	M12 4-pole connector ³	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mechanical protection:	IP67		•	•	•	•	•	•	•		_	•			_
Protection devices:	A, B ⁴	•	•	•	•	•	•	•	•	•	•	•			_
Housing material:	ABS	+		_	_	_		_	_		_	_	_	_	_
Lens material:	window in PMMA	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	lenses in PC	•	•	•	•	•	•	•	•	•	•	•	_	•	•
Weight:	90 g max.	•	•	•	•	•				Ц			4	_	_
	40 g max.	+					•	•	•	•	•	•	•	-	•
Operating temperature:	-25 +55℃	•	Ш	•	•	•	•	•	•	•	•	•	•	-	•
Storage temperature:	-20 +70℃	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Reference standard:	EN 60947-5-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•

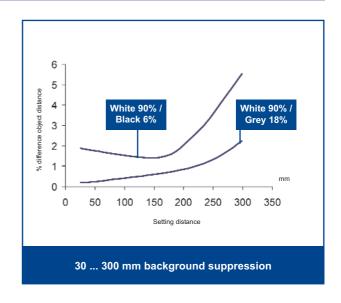


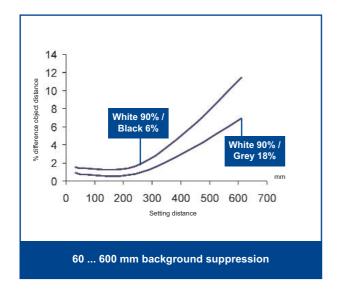
TECHNICAL NOTES

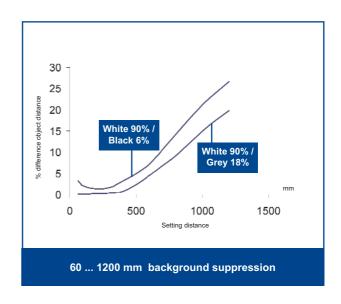
- ¹ Average life of 100.000 h with T_A = +25 °C
- ² PVC, 4 x 0.14 mm²
- ³ Connettore bloccabile in two positions
- ⁴ A reverse polarity protection B overload and short-circuit protection

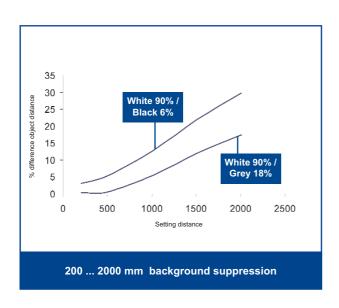
DETECTION DIAGRAMS OF MODELS WITH LED EMISSION

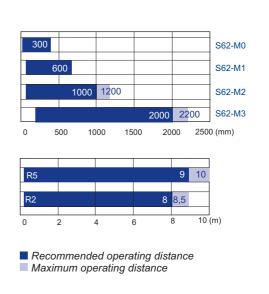














TECHNICAL DATA OF MODELS WITH LASER EMISSION

120111101				
		-B01	-M01	S62-PL-5-M11
		S62-PL-5-B01	-F-E	F
		362	362	.9S
Polarised retroreflex operating distance:	0.3 20 m (on R2, refer to table)	•		
Background suppr. operating distance:	30 150 mm		•	
	50 350 mm			•
Power supply:	10 30 Vdc	•	•	•
Ripple:	≤ 2 Vpp	•	•	•
Consumption:	≤ 30 mA	•	•	•
Light emission ¹ :	red Laser 645665 nm	•	•	•
	classe II EN 60825-1	L		
	classe II CDRH21 CFR 1040.10	L		
Spot dimension:	0.5 mm at 0.5 m	•		
	≤ 0.2 mm at 60 mm		•	
	≤ 0.4 mm at 150 mm			•
Setting:	270° trimmer	•		
	4-turn trimmer		•	
	6-turn trimmer			•
Indicators:	yellow OUTPUT LED	•	•	•
	green POWER ON LED	•	•	•
Output type:	PNP, NA and NC (-PP suffix)	•	•	•
	NPN, NA and NC (-NN suffix)	•	•	•
Output current:	≤ 100 mA	•	•	•
Saturation voltage:	≤ 2 V	•	•	•
Response time:	140 μs		•	
	200 μs	•		•
Max. switching frequency:	2.5 kHz	•		•
	3.5 kHz		•	
Operating mode:	light on NO / dark on NC		•	•
	light on NC / dark on NO	•		
Connection:	M12 4-pole connector ²	•	•	•
Mechanical protection:	IP67	•	•	•
Protection devices:	A, B ³	•	•	•
Housing material:	ABS	•	•	•
Lens material:	window in PMMA	•	•	•
	lenses in PC / PMMA	•	•	•
Weight:	40 g max.	•	•	•
Operating temperature:	-10 +55℃	•	•	•
Storage temperature:	-20 +70°C	•	•	•
Reference standard:	EN 60947-5-2,	•	•	•
	EN 60825-1, CDRH21 CFR 1040.10	•	•	•

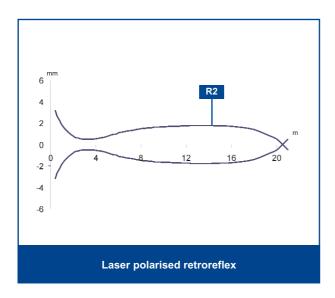


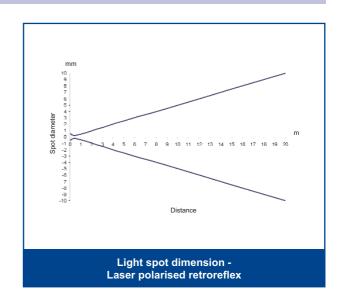
TECHNICAL NOTES

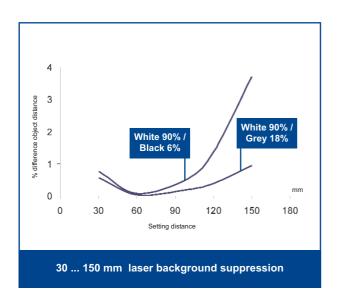
- ¹ Average life of 50.000 h with T_A = +25 °C
- ² Connettore bloccabile in two positions
- ³ A reverse polarity protection B overload and short-circuit protection

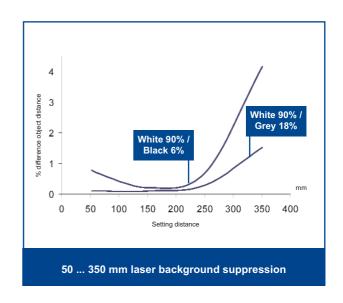


DETECTION DIAGRAMS OF MODELS WITH LASER EMISSION

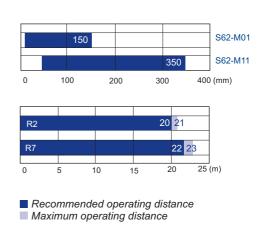








Refle	ector ope	rating d	istances	(m)			
R1	R2		R7 / R20				
0.3 16	0.3 20	0.4 22	0.3 22	0.2 2			
The use of the RT3970 reflecting tape is suggested.							



MODEL SELECTION AND ORDER INFORMATION

S62-PA-2-B01-PP 10 m polarised retroreflex 2 m cable PNP 956211010 S62-PA-5-B01-PP 10 m polarised retroreflex M12 connector PNP 956211020 S62-PA-5-B01-NN 10 m polarised retroreflex M12 connector NPN 956211020 S62-PA-5-B01-PP 300 mm background suppression 2 m cable PNP 956201840 S62-PA-5-M01-PP 300 mm background suppression M12 connector PNP 956201840 S62-PA-5-M01-NN 300 mm background suppression M12 connector PNP 956201810 S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector PNP 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201820 S62-PA-5-M11-PP 600 mm background suppression 2 m cable PNP 956201880 S62-PA-5-M11-PP 600 mm background suppression M12 connector NPN 956201880 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201860 S62-PA-5-M15-NN 600 mm background	MODEL	FUNCTION	CONNECTION	OUTPUT	ORDER N°
S62-PA-5-B01-NN 10 m polarised retroreflex M12 connector NPN 956211020 S62-PA-2-M01-PP 300 mm background suppression 2 m cable PNP 956201840 S62-PA-5-M01-PP 300 mm background suppression M12 connector PNP 956201830 S62-PA-5-M01-NN 300 mm background suppression, with timer M12 connector PNP 956201810 S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector NPN 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201880 S62-PA-5-M11-PP 600 mm background suppression 2 m cable PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201880 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector NPN 956201880 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector NPN 956201880 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201880 S62-PA-5-M21-PP	S62-PA-2-B01-PP	10 m polarised retroreflex	2 m cable	PNP	956211010
S62-PA-2-M01-PP 300 mm background suppression 2 m cable PNP 956201840 S62-PA-5-M01-PP 300 mm background suppression M12 connector PNP 956201830 S62-PA-5-M01-NN 300 mm background suppression, with timer M12 connector NPN 956201810 S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector NPN 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201820 S62-PA-5-M05-NN 300 mm background suppression 2 m cable PNP 956201880 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-PP 600 mm background suppression M12 connector NPN 956201880 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector NPN 956201880 S62-PA-5-M15-NN 600 mm background suppression M12 connector NPN 956201860 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201850 S62-PA-5-M21-PP	S62-PA-5-B01-PP	10 m polarised retroreflex	M12 connector	PNP	956211000
S62-PA-5-M01-PP 300 mm background suppression M12 connector PNP 956201830 S62-PA-5-M01-NN 300 mm background suppression, with timer M12 connector NPN 956201810 S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector PNP 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201890 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M15-NP 600 mm background suppression, with timer M12 connector PNP 956201880 S62-PA-5-M15-NP 600 mm background suppression, with timer M12 connector NPN 956201880 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201930 S62	S62-PA-5-B01-NN	10 m polarised retroreflex	M12 connector	NPN	956211020
S62-PA-5-M01-NN 300 mm background suppression M12 connector NPN 956201810 S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector PNP 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201820 S62-PA-5-M01-PP 600 mm background suppression 2 m cable PNP 956201880 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201880 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector NPN 956201860 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201940 S62-PA-5-M21-NN 1200 mm background suppression, with timer M12 connector NPN 956201940 S62-PA	S62-PA-2-M01-PP	300 mm background suppression	2 m cable	PNP	956201840
S62-PA-5-M05-PP 300 mm background suppression, with timer M12 connector PNP 956201820 S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201800 S62-PA-2-M11-PP 600 mm background suppression 2 m cable PNP 956201890 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201860 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201870 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201870 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201900 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-P	S62-PA-5-M01-PP	300 mm background suppression	M12 connector	PNP	956201830
S62-PA-5-M05-NN 300 mm background suppression, with timer M12 connector NPN 956201800 S62-PA-2-M11-PP 600 mm background suppression 2 m cable PNP 956201890 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-5-M21-NN 1200 mm background suppression, with timer M12 connector NPN 956201940 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector NPN 956201920 S62-PA-5-M31-NN 2000 mm background suppression 2 m cable PNP 956201930 <t< td=""><td>S62-PA-5-M01-NN</td><td>300 mm background suppression</td><td>M12 connector</td><td>NPN</td><td>956201810</td></t<>	S62-PA-5-M01-NN	300 mm background suppression	M12 connector	NPN	956201810
S62-PA-2-M11-PP 600 mm background suppression 2 m cable PNP 956201890 S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201860 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201870 S62-PA-5-M12-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-5-M21-PP 1200 mm background suppression M12 connector NPN 956201940 S62-PA-5-M21-NN 1200 mm background suppression, with timer M12 connector NPN 956201940 S62-PA-5-M25-ND 1200 mm background suppression, with timer M12 connector NPN 956201940 S62-PA-5-M31-PP 2000 mm background suppression M12 connector NPN 956211050 S62-	S62-PA-5-M05-PP	300 mm background suppression, with timer	M12 connector	PNP	956201820
S62-PA-5-M11-PP 600 mm background suppression M12 connector PNP 956201880 S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201860 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201950 S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression, with timer M12 connector NPN 956201940 S62-PA-5-M25-ND 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M31-PP 2000 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211050 S62-PA-5-M31-PP 2000 mm background suppression M12 connector NPN 956211060 S6	S62-PA-5-M05-NN	300 mm background suppression, with timer	M12 connector	NPN	956201800
S62-PA-5-M11-NN 600 mm background suppression M12 connector NPN 956201860 S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201940 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-5-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211050 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211070 S62-P	S62-PA-2-M11-PP	600 mm background suppression	2 m cable	PNP	956201890
S62-PA-5-M15-PP 600 mm background suppression, with timer M12 connector PNP 956201870 S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201910 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211070 S62-PA-5-M35-NP 2000 mm background suppression, with timer M12 connector NPN 956211080	S62-PA-5-M11-PP	600 mm background suppression	M12 connector	PNP	956201880
S62-PA-5-M15-NN 600 mm background suppression, with timer M12 connector NPN 956201850 S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201910 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-5-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-	S62-PA-5-M11-NN	600 mm background suppression	M12 connector	NPN	956201860
S62-PA-5-M21-PP 1200 mm background suppression M12 connector PNP 956201900 S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201910 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression, with timer M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector NPN 956211110 S62-PL-5-M	S62-PA-5-M15-PP	600 mm background suppression, with timer	M12 connector	PNP	956201870
S62-PA-2-M21-PP 1200 mm background suppression 2 m cable PNP 956201940 S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201910 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector NPN 956211110 S62-PL-5-M	S62-PA-5-M15-NN	600 mm background suppression, with timer	M12 connector	NPN	956201850
S62-PA-5-M21-NN 1200 mm background suppression M12 connector NPN 956201910 S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S	S62-PA-5-M21-PP	1200 mm background suppression	M12 connector	PNP	956201900
S62-PA-5-M25-PP 1200 mm background suppression, with timer M12 connector PNP 956201920 S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130	S62-PA-2-M21-PP	1200 mm background suppression	2 m cable	PNP	956201940
S62-PA-5-M25-NN 1200 mm background suppression, with timer M12 connector NPN 956201930 S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-5-M21-NN	1200 mm background suppression	M12 connector	NPN	956201910
S62-PA-2-M31-PP 2000 mm background suppression 2 m cable PNP 956211050 S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-5-M25-PP	1200 mm background suppression, with timer	M12 connector	PNP	956201920
S62-PA-5-M31-NN 2000 mm background suppression M12 connector NPN 956211060 S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-5-M25-NN	1200 mm background suppression, with timer	M12 connector	NPN	956201930
S62-PA-5-M31-PP 2000 mm background suppression M12 connector PNP 956211070 S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-2-M31-PP	2000 mm background suppression	2 m cable	PNP	956211050
S62-PA-5-M35-NN 2000 mm background suppression, with timer M12 connector NPN 956211080 S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-5-M31-NN	2000 mm background suppression	M12 connector	NPN	956211060
S62-PA-5-M35-PP 2000 mm background suppression, with timer M12 connector PNP 956211090 S62-PL-5-B01-NN 20 m laser polarised retroreflex M12 connector NPN 956211100 S62-PL-5-B01-PP 20 m laser polarised retroreflex M12 connector PNP 956211110 S62-PL-5-M01-NN 150 mm laser background suppression M12 connector NPN 956211120 S62-PL-5-M01-PP 150 mm laser background suppression M12 connector PNP 956211130 S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PA-5-M31-PP	2000 mm background suppression	M12 connector	PNP	956211070
S62-PL-5-B01-NN20 m laser polarised retroreflexM12 connectorNPN956211100S62-PL-5-B01-PP20 m laser polarised retroreflexM12 connectorPNP956211110S62-PL-5-M01-NN150 mm laser background suppressionM12 connectorNPN956211120S62-PL-5-M01-PP150 mm laser background suppressionM12 connectorPNP956211130S62-PL-5-M11-NN350 mm laser background suppressionM12 connectorNPN956211140	S62-PA-5-M35-NN	2000 mm background suppression, with timer	M12 connector	NPN	956211080
S62-PL-5-B01-PP20 m laser polarised retroreflexM12 connectorPNP956211110S62-PL-5-M01-NN150 mm laser background suppressionM12 connectorNPN956211120S62-PL-5-M01-PP150 mm laser background suppressionM12 connectorPNP956211130S62-PL-5-M11-NN350 mm laser background suppressionM12 connectorNPN956211140	S62-PA-5-M35-PP	2000 mm background suppression, with timer	M12 connector	PNP	956211090
S62-PL-5-M01-NN150 mm laser background suppressionM12 connectorNPN956211120S62-PL-5-M01-PP150 mm laser background suppressionM12 connectorPNP956211130S62-PL-5-M11-NN350 mm laser background suppressionM12 connectorNPN956211140	S62-PL-5-B01-NN	20 m laser polarised retroreflex	M12 connector	NPN	956211100
S62-PL-5-M01-PP150 mm laser background suppressionM12 connectorPNP956211130S62-PL-5-M11-NN350 mm laser background suppressionM12 connectorNPN956211140	S62-PL-5-B01-PP	20 m laser polarised retroreflex	M12 connector	PNP	956211110
S62-PL-5-M11-NN 350 mm laser background suppression M12 connector NPN 956211140	S62-PL-5-M01-NN	150 mm laser background suppression	M12 connector	NPN	956211120
	S62-PL-5-M01-PP	150 mm laser background suppression	M12 connector	PNP	956211130
S62-PL-5-M11-PP 350 mm laser background suppression M12 connector PNP 956211150	S62-PL-5-M11-NN	350 mm laser background suppression	M12 connector	NPN	956211140
	S62-PL-5-M11-PP	350 mm laser background suppression	M12 connector	PNP	956211150

ACCESSORY SELECTION AND ORDER INFORMATION

MODEL	DESCRIPTION	ORDER N°
R1	Ø 23 mm prismatic reflector with Ø 31 mm support	S940700023
R2	Ø 48 mm prismatic reflector with Ø 63 mm support	S940700048
R6	36 x 55 mm prismatic reflector with 40.5 x 60 mm support	95A151350
R7	38 x 40 mm microprism reflector with 51 x 60.7 mm support	95A151360
R8	9.7 x 19 mm microprism reflector with 13.8 x 23 mm support	95A151370
R20	Ø 48 mm prismatic reflector with Ø 63 mm support	95A151090
JOINT-S62	protection bracket with jointed support	95ACC2430
ST-504	fixing bracket	95ACC2820
ST-5020	fixing bracket	95ACC5330
ST-5021	fixing bracket	95ACC5340
ST-5053	protection bracket	95ACC2410
ST-5054	protection bracket	95ACC2420

Please refer also to **DATASENSOR connectors** and **reflectors**

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