S62

ODATALOGIC



















THE MOST COMPLETE **UNIVERSAL SENSOR IN A COMPACT 50X50 MM** HOUSING

- Sensors with red, infrared LED or LASER emission
- Background suppression from 3 cm to 2 m
- Polarized retroreflective up to 20 m
- Multivoltage 24-240Vac/24-60Vdc with Relay output
- NPN/PNP output NO-NC configuration

APPLICATIONS

- · Processing and Packaging machinery
- Conveyor lines, material handling

	S62		
Through beam		025 m	
Retroreflective (on R2 reflector)		0,113 m	
Polarized retroreflective		0,18 m	
Polarized retroreflective		0,320 m (class 2 LASER)	
Difference in the second secon		short 0900 mm, long 02000 mm	
Diffuse proximity		0900 mm (class 2 LASER)	
		short 30300 mm	
		medium 60600 mm	
ackground suppression		long 601200 mm	
uckyrounu suppression		very long 2002000 mm	
		short LASER 30150 mm (class 2 LASER)	
		long LASER 50350 mm (class 2 LASER)	
	Vdc	1030 V	
ower supply	Vac		
	Vac/dc	24/240 Vac/2460 Vdc	
	PNP	•	
	NPN	•	
utput	NPN/PNP	•	
	relay	•	
	other		
	cable	•	
Connection	connector	•	
	pig-tail		
Approximate dimensions (mm)		18x50x50	
ousing material		ABS	
Mechanical protection		IP67	

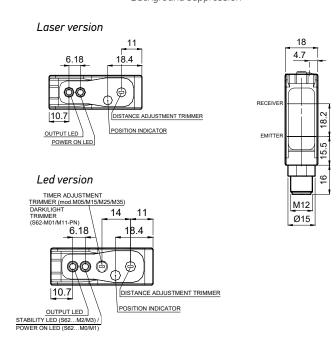
TECHNICAL DATA

Power supply	10 30 Vdc (mod. S622/5)		
rower suppry	24240 Vac/ 2460 Vdc (mod. S621)		
Ripple	2 Vpp max. (mod. S622/5), 10% max. (mod. S621)		
Community (content community contents d)	30 mA max. (mod. S622/5)		
Consumption (output current excluded)	3 VA max. (mod. S621)		
	red LED 640 nm (mod. S62-PAA/B/C/G/M01/M05/M11/M15)		
Light emission	IR LED 880 nm (mod. S62-PAM21/M25/M31/M35)		
	red Laser 645665 nm (mod. S62-PL)		
Setting	sensititivity adjustment trimmer		
Operating mode	mono-turn LIGHT/DARK trimmer (mod. S62RX/PN)		
I. di	yellow OUTPUT LED		
Indicators	green STABILITY LED, POWER LED (S62G)		
Outrast	PNP or NPN N.O./N.C. (mod. S62PP/NN); NPN/PNP (mod. S62PN);		
Output	electromechanical SPDT 250 Vac/30 Vdc (mod. S62RX)		
Output current	100 mA max. (mod. S622/5), 2 A max. (mod. S621)		
Saturation voltage	2 V max. (mod. S622/5)		
	25 ms (mod. S621)		
	1,5 ms (mod. S62M3x)		
Donners time	1 ms (mod. S622/5-F/G/M2x)		
Response time	500 μs (mod. S62-PA2/5-A/B/C/M0x/M1x)		
	200 μs (mod. S62-PLB/C/M11)		
	140 µs (mod. S62-PLM01)		
	20 Hz (mod. S621)		
	330 Hz (mod. S62M3x)		
Switching fraguency	500 Hz (mod. S622/5-F/G/M2x)		
Switching frequency	1 kHz (mod. S62-PA2/5-A/B/C/M0x/M1x)		
	2,5 kHz (mod. S62-PLB/C/M11)		
	3,5 kHz (mod. S62-PLM01)		
Connection	M12 4-pole connector, 2 m Ø 4 mm cable vers., 2 m Ø 5 mm cable vers.		
Dielectric strength	500 Vac 1 min., between electronics and housing		
Insulation resistence	>20 MΩ 500 Vdc, between electronics and housing		
Mechanical protection	IP67		
Ambient light rejection	According to EN 60947-5-2		
Vibrations	0.5 mm amplitude, 10 55 Hz frequency, for each axis (EN60068-2-6)		
Shock resistence	11ms (30G) 6 shock for every axis (EN60068-2-27)		
Housing material	ABS		
Lens material	PMMA window, policarbonate lens		
Operating temperature	-10 55 °C		
Storage temperature	-20 70 °C		
Weight	40 g max. conn. vers., 90 max. cable vers.		

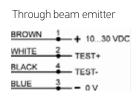
DIMENSIONS

50 18 42 RECEIVER 50 42 EMITTER 16 11 6 M12 **⊂**©14 Ø15 SENSITIVITY TRIMMER 25 Cable version POWER ON LED RIMMER OUTPUT LED

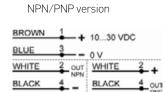
Background suppression



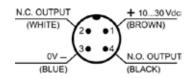
CONNECTIONS



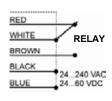
VDC MODELS

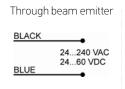


M12 CONNECTOR

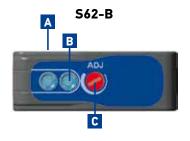


VAC MODELS

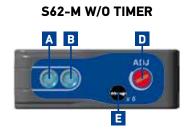




INDICATORS AND SETTINGS



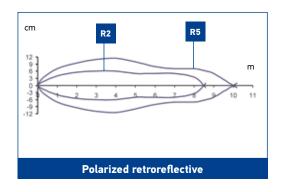


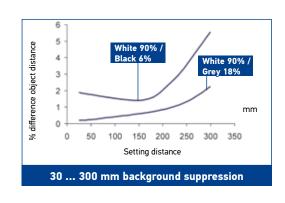


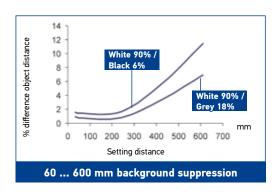
- A Output status LED
- B Stability LED or Power ON LED (laser vers.)
- C Timer adjustment trimmer

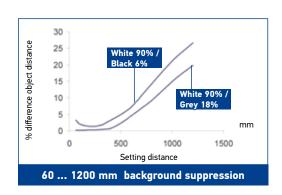
- Distance adjustment trimmer
- E Geared numeric scale
- F M12 connector output
- G Cable output

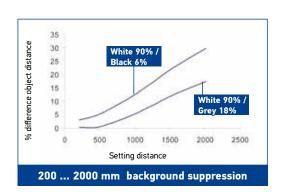
DETECTION DIAGRAMS OF MODELS WITH LED EMISSION

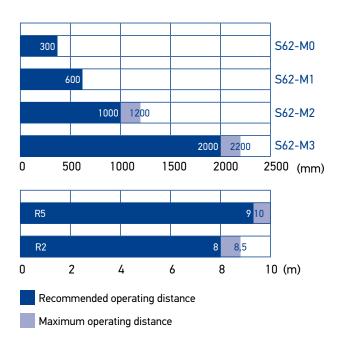




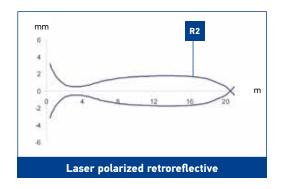


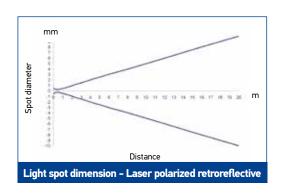


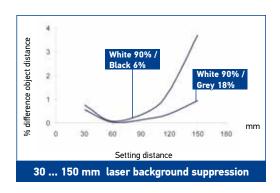


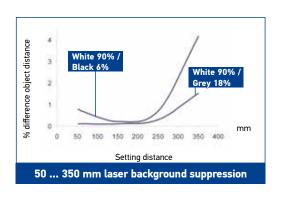


DETECTION DIAGRAMS OF MODELS WITH LASER EMISSION



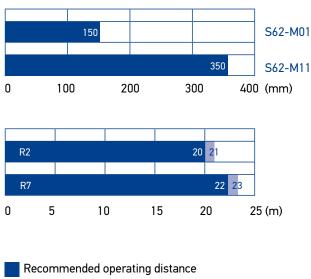






Reflector operating distances (m)				
R1	R2	R6	R7 / R20	R8
0.3 16	0.3 20	0.4 22	0.3 22	0.2 2

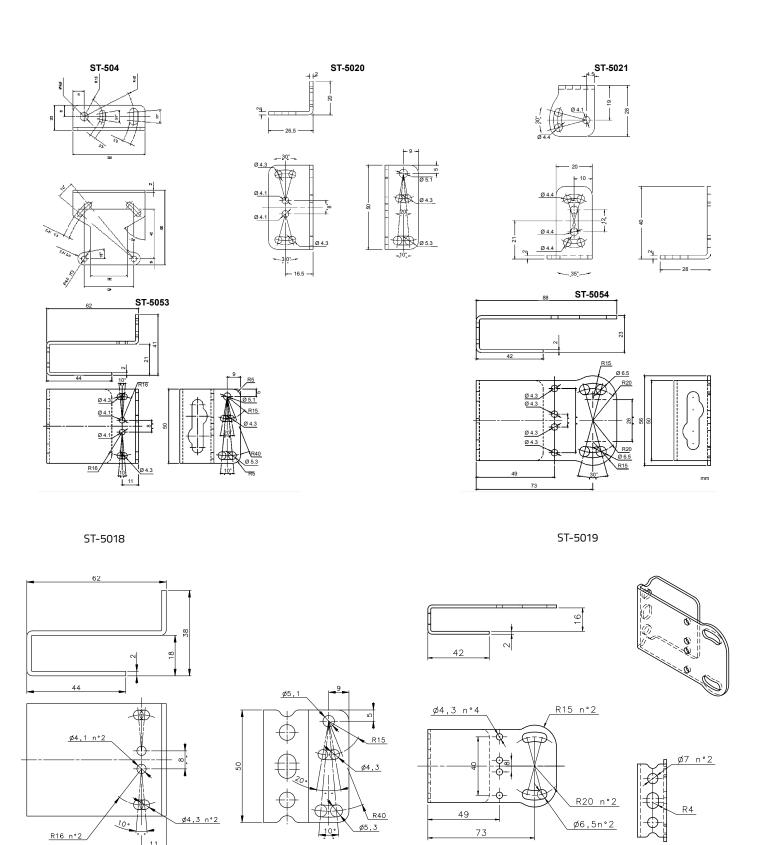
The use of the RT3970 reflecting tape is suggested.



MODEL SELECTION AND ORDER INFORMATION

OPTIC FUNCTION	EMISSION	CONNECTION	SETTING	OUTPUT	MODEL	ORDER No.
	LED	2m Cable	sensitivity trimmer	PNP/NPN	S62-PA-2-A01-PN	956211240
Retroreflective	LED (red 640nm)	M12 Connector	(mono turn)	PNP/NPN	S62-PA-5-A01-PN	956211310
		Vac relay	mono-turn light/dark trimmer	Relay	S62-PA-1-A01-RX	956211180
		2m Cable		PNP/NPN	S62-PA-2-B01-PN	956211250
		2111 00010	sensitivity trimmer	PNP	S62-PA-2-B01-PP	956211010
	LED		(mono-turn)	NPN	S62-PA-5-B01-NN	956211020
Polarized retroreflective	(red 640nm)	M12 Connector		PNP/NPN	S62-PA-5-B01-PN	956211320
Polarized retroreflective	LASER			PNP	S62-PA-5-B01-PP	956211000
		Vac relay	mono-turn light/dark trimmer	Relay	S62-PA-1-B01-RX	956211190
		M12 Connector	mono-turn light/dark trimmer	NPN	S62-PL-5-B01-NN	956211100
	LAGEN		mono tam agni, aan tammer	PNP	S62-PL-5-B01-PP	956211110
		2m Cable		NPN	S62-PA-2-C01-NN	956211420
				PNP/NPN	S62-PA-2-C01-PN	956211260
	LED		sensitivity trimmer	PNP	S62-PA-2-C01-PP	956211380
	LED (red 640nm)		(mono-turn)	NPN	S62-PA-5-C01-NN	956211500
	, , , , , , , , , , , , , , , , , , , ,	M12 Connector		PNP/NPN	S62-PA-5-C01-PN	956211330
Short diffused proximity				PNP	S62-PA-5-C01-PP	956211460
		Vac relay	mono-turn light/dark trimmer	Relay	S62-PA-1-C01-RX	956211200
		2m Cable		NPN	S62-PL-2-C01-NN	956211440
	LASER	ZIII Cable		PNP	S62-PL-2-C01-PP	956211400
	LASEK	M12 Connector		NPN	S62-PL-5-C01-NN	956211520
		M12 Connector		PNP	S62-PL-5-C01-PP	956211480
			sensitivity trimmer	NPN	S62-PA-2-C11-NN	956211430
		2m Cable	(mono turn)	PNP/NPN	S62-PA-2-C11-PN	956211270
				PNP	S62-PA-2-C11-PP	956211390
Long diffused proximity	LED (red 640nm)			NPN	S62-PA-5-C11-NN	956211510
	(red 040mm)	M12 Connector		PNP/NPN	S62-PA-5-C11-PN	956211340
				PNP	S62-PA-5-C11-PP	956211470
		Vac relay	mono-turn light/dark trimmer	Relay	S62-PA-1-C11-RX	956211210
				NPN	S62-PA-2-F01-NN	956211450
		2m Cable		PNP/NPN	S62-PA-2-F01-PN	956211290
			sensitivity trimmer	PNP	S62-PA-2-F01-PP	956211410
Through beam receiver	-	M12 Connector	(mono turn)	NPN	S62-PA-5-F01-NN	956211530
				PNP/NPN	S62-PA-5-F01-PN	956211360
				PNP	S62-PA-5-F01-PP	956211490
		Vac relay	mono-turn light/dark trimmer	Relay	S62-PA-1-F01-RX	956211220
		2m Cable	3	,	S62-PA-2-G00-XG	956211300
Through beam emitter	LED (red 640nm)	M12 Connector	sensitivity trimmer (mono turn)	-	S62-PA-5-G00-XG	956211370
	(red 640mm)	Vac relay	(mono turn)		S62-PA-1-G00-XX	956211230
				PNP/NPN	S62-PA-2-M01-PN	956211280
	_	2m Cable		PNP	S62-PA-2-M01-PP	956201841
			6 turns distance adjustment	NPN	S62-PA-5-M01-NN	956201811
	LED (red 640nm)		trimmer	PNP/NPN	S62-PA-5-M01-PN	956211350
Background suppression (short distance)	(160 0401111)	M12 Connector		PNP	S62-PA-5-M01-PP	956201831
(SHOLL MISCHILLE)			timor adjustment trimores	NPN	S62-PA-5-M05-NN	956201801
			timer adjustment trimmer	PNP	S62-PA-5-M05-PP	956201821
	LASER	M12 Connector	4 turns distance adjustment	NPN	S62-PL-5-M01-NN	956211120
	LASER		trimmer	PNP	S62-PL-5-M01-PP	956211130
	LED	2m Cable	L turno distance adicate	PNP	S62-PA-2-M11-PP	956201891
			6 turns distance adjustment trimmer	NPN	S62-PA-5-M11-NN	956201861
Packaround aupproacion	(red 640nm)	M12 Connector		PNP	S62-PA-5-M11-PP	956201881
Background suppression (medium distance)	LASER	MIZ CONNECTOR	timer adjustment	NPN	S62-PA-5-M15-NN	956201851
			trimmer	PNP	S62-PA-5-M15-PP	956201871
		M12 Connector	6 turns distance adjustment	NPN	S62-PL-5-M11-NN	956211140
			trimmer	PNP	S62-PL-5-M11-PP	956211150
		2m Cable	6 turns distance adjustment	PNP	S62-PA-2-M21-PP	956201940
Background suppression			trimmer	NPN	S62-PA-5-M21-NN	956201910
(long distance)		M12 Connector		PNP	S62-PA-5-M21-PP	956201900
		THE CONNECTOR	timer adjustment	NPN	S62-PA-5-M25-NN	956201930
	LED		trimmer	PNP	S62-PA-5-M25-PP	956201920
	(infrared 880nm)	2m Cable	<u> </u>	PNP	S62-PA-2-M31-PP	956211050
Background suppression			6 turns distance adjustment trimmer	NPN	S62-PA-5-M31-NN	956211060
(very long distance)		M12 Connector		PNP	S62-PA-5-M31-PP	956211070
		MIZ Connector	timer adjustment	NPN	S62-PA-5-M35-NN	956211080
			trimmer	PNP	S62-PA-5-M35-PP	956211090

ACCESSORIES



MODEL	DESCRIPTION	ORDER No.
ST-5018	protective bracket	95ACC5310
ST-5019	protective bracket	95ACC5320
ST-5020	mounting bracket	95ACC5330
ST-5021	mounting bracket	95ACC5340
ST-504	mounting bracket	95ACC2820
ST-5053	protective bracket	95ACC2410
ST-5054	protective bracket	95ACC2420
JOINT-S62	protective bracket with jointed support	95ACC2430

CABLES

	DESCRIPTION		MODEL	ORDER No.
Axial M12 Connector		3 m	CS-A1-02-G-03	95A251380
	, , , , , , ,	5 m	CS-A1-02-G-05	95A251270
	4-pole, grey, P.V.C.	7 m	CS-A1-02-G-07	95A251280
		10 m	CS-A1-02-G-10	95A251390
	4-pole, P.U.R.	2 m	CS-A1-02-R-02	95A251540
		5 m	CS-A1-02-R-05	95A251560
		3 m	CS-A2-02-G-03	95A251360
	/ male many DVC	5 m	CS-A2-02-G-05	95A251240
Dedict M12 Comments	4-pole, grey, P.V.C.	7 m	CS-A2-02-G-07	95A251245
Radial M12 Connector		10 m	CS-A2-02-G-10	95A251260
		2 m	CS-A2-02-R-02	95A251550
	4-pole, P.U.R.	5 m	CS-A2-02-R-05	95A251570
Radial M12 Connector with LED	4-pole, grey, P.V.C.	3 m	CS-A2-12-G-03	95A251400
		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, P.V.C.	10 m	CV-A1-22-B-10	95ACC1500
		15 m	CV-A1-22-B-15	95ACC2070
		25 m	CV-A1-22-B-25	95ACC2090
		3 m	CV-A2-22-B-03	95ACC1540
Radial M12 Connector		5 m	CV-A2-22-B-05	95ACC1550
		10 m	CV-A2-22-B-10	95ACC1560
	4-pole, U.L., black, P.V.C.	3 m	CS-A1-02-U-03	95ASE1120
		5 m	CS-A1-02-U-05	95ASE1130
		10 m	CS-A1-02-U-10	95ASE1140
Axial M12 Connector		15 m	CS-A1-02-U-15	95ASE1150
		25 m	CS-A1-02-U-25	95ASE1160
	, , , , , ,	Connector- not cabled	CS-A1-02-B-NC	G5085002
Radial M12 Connector	4-pole, black	Connector- not cabled	CS-A2-02-B-NC	G5085003

DATALOGIC PRODUCT OFFERING



Hand Held scanners Sensors



Mobile Computers











Stationary Industrial Scanners

Safety Light Curtains

Safety Laser Scanner Vision Systems

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