

STATALOGIC





S6

Multivoltage 50x50 mm compact sensors series

- 50x50 mm compact dimensions
- Free voltage Vac/Vdc models with relay output
- 10-30 Vdc model with transistor output
- Standard cable or M12 4-pole connection



APPLICATIONS

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- -Automatic machines
- -Packaging lines
- -Transportation lines
- -Automatic warehouses





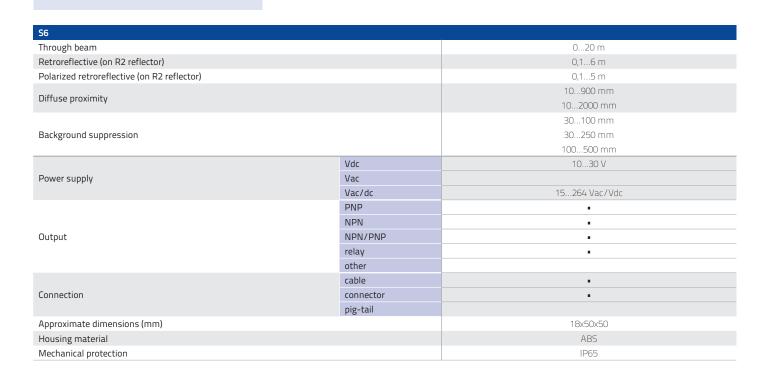












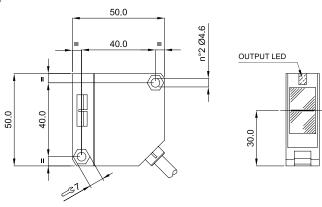


Compact Sensors - S6

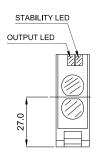
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	TECHNICAL DATA	
Power supply	10 30 Vdc limit values (mod. S6/S6T/S6R-5)	
r ower suppry	15 264 Vac/Vdc (48 60 Hz) limit values (mod. S6-1)	
Ripple	2 Vpp max.	
Consumption (output current excluded)	30 mA max. (mod. S6/S6T/S6R-5)	
consumption (output current exclusion)	40 mA max. (mod. S6-1)	
Light emission	IR LED 880 nm	
	red LED 660 nm (mod. S6/S6R/S6TB/M10)	
Setting	sensivity trimmer (excl. mod. S6G, S6R-5-M)	
	adjustment screw (mod. S6/S6T/S6R-5-M)	
	LIGHT/DARK selection by cable or connector (mod. S6/S6T/S6R-5)	
Operating mode	LIGHT/DARK selection by N.O./N.C. output (mod. S6R-5-M)	
	LIGHT/DARK selection by trimmer (mod. S6-1)	
Indiantara	red OUTPUT LED (excl. mod. S6G), POWER LED (mod. S6G)	
Indicators	green STABILITY LED (mod. S6-5-M25)	
	NPN/PNP (mod. S6)	
	PNP (mod. S6T)	
Output	NPN or PNP; NC; NO (mod. S6R)	
	Relay 1 NO and NC contact 250 Vac, 30 Vdc min. applicable load 5 Vdc, 10 mA (mod. S6-1)	
Output current	100 mA max., 3 A max. (mod. S6-1)	
Saturation voltage	1,5 V max. (NPN/PNP output)	
Saturation voicage	1 ms max.	
Response time	2 ms max. (mod. S6/S6R/S6TF/G)	
	30 ms max. (mod. S6-1)	
	500 Hz	
Switching frequency	250 Hz max. (mod. S6/S6R/S6TF/G)	
	16 Hz (mod. S6-1)	
Connection	2 m cable Ø 6 mm (mod. S6-1), 2 m cable Ø 5 mm (mod. S6-5), M12 4-pole connector (mod. S6T-S6R)	
Dielectric strength	500 Vac, 1 min between electronics and housing	
Insulating resistance	>20 MΩ, 500 Vdc between electronics and housing	
Electrical protection	class 2, class 1 (mod. S6-1)	
Mechanical protection	IP65	
Ambient light rejection	according to EN 60947-5-2	
Vibrations	0,5 mm amplitude, 10 55 Hz frequency, for every axis (EN60068-2-6)	
Shock resistance	11 ms (30 G) 6 shock for every axis (EN60068-2-27)	
Housing material	ABS UL 94V-O	
Lens material	PMMA plastic	
Operating temperature	-25 55 °C	
Storage temperature	-25 70 °C	
Weight	160 g max. cable vers., 40 g max. conn. vers.	

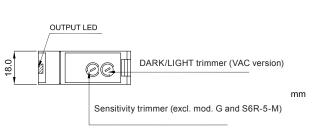
DIMENSIONS

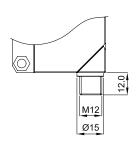






M12 Connector













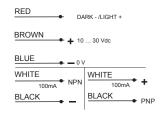
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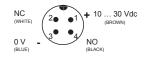
CONNECTIONS

VDC MODELS

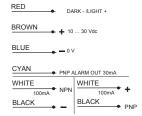
NPN/PNP version



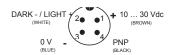
NPN or PNP and NC/NO version



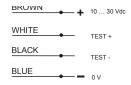
Through beam receiver - NPN/PNP version



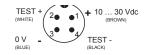
PNP version



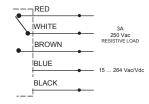
Through beam emitter - NPN/PNP version



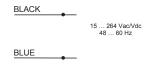
Through beam emitter - PNP version



VAC MODELS

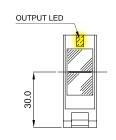


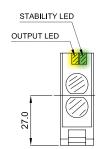
Through beam emitter



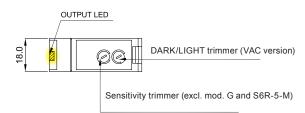
INDICATORS AND SETTINGS







Background suppression





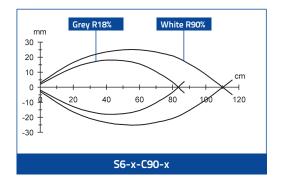


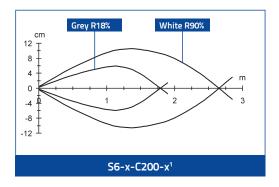


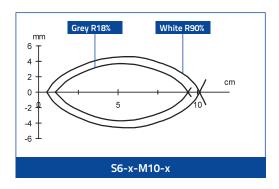
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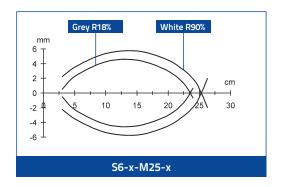
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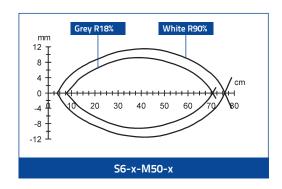
DETECTION DIAGRAMS

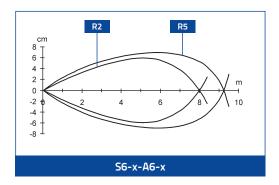


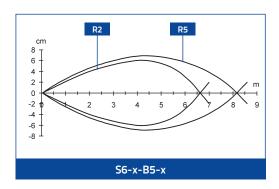


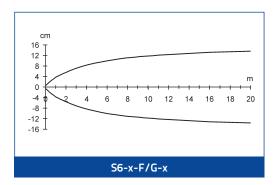












The detection diagrams indicate the typical operating distance with excess gain 1.



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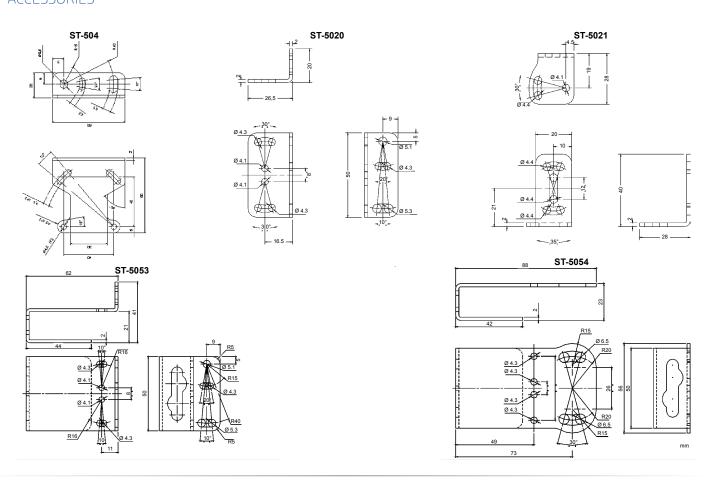


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MODEL SELECTION AND ORDER INFORMATION

OPTIC FUNCTION	OPERATING	POWER SUPPLY	OUTPUT	MODEL	ORDER No.
		15264 V A.C.	relay SPDT 250V/3A	S6-1-C90	S937530090
Short diffuse proximity	10900 mm		NPN/PNP	S6-5-C90	S937530000
		1030 V D.C.	PNP N.O./N.C.	S6R-5-C90-P	950201190
			PNP	S6T-5-C90-P	961031020
		15264 V A.C.	relay SPDT 250V/3A	S6-1-C200	950151140
Long diffuse proximity	102000 mm	1030 V D.C.	NPN/PNP	S6-5-C200	950201150
			PNP N.O./N.C.	S6R-5-C200-P	950201200
			NPN N.O./N.C.	S6R-5-C200-N	956101050
		15264 V A.C.	relay SPDT 250V/3A	S6-1-A6	S937330090
Retroreflective	0.16 m (on R2 reflector)		NPN/PNP	S6-5-A6	S937330000
Retroreflective	U,16 m (on R2 reflector)	1030 V D.C.	PNP	S6T-5-A6-P	961031000
			PNP N.O./N.C.	S6R-5-A6-P	950201170
		15264 V A.C.	relay SPDT 250V/3A	S6-1-B5	S937420090
Polarized retroreflective	0.15 m (on R2 reflector)		NPN/PNP	S6-5-B5	S937420000
Polarized retroreflective	O, IS III (OII RZ Teffector)	1030 V D.C.	PNP N.O./N.C.	S6R-5-B5-P	950201180
			PNP	S6T-5-B5-P	961031010
	30100 mm		PNP N.O./N.C.	S6R-5-M10-P 950201230	
			NPN/PNP	S6-5-M25	S937830000
Dackground suppression	30250 mm	1030 V D.C.	PNP N.O./N.C.	S6R-5-M25-P	950201220
Background suppression		1030 V D.C.	NPN N.O./N.C.	S6R-5-M25-N	956101080
			PNP	S6T-5-M25-P	961041000
	100500 mm		PNP N.O./N.C.	S6R-5-M50-P	950201250
		15264 V A.C.	relay SPDT 250V/3A	relay SPDT 250V/3A S6-1-F20 S937200090	
Through beam	020 m		NPN/PNP	S6-5-F20	S937200010
(Receiver)	020111	1030 V D.C.	PNP N.O./N.C.	S6R-5-F20-P	950201160
			PNP	S6T-5-F20-P	961211010
TI 1.1		15264 V A.C.	-	S6-1-G20	S937130090
Through beam (Emitter)	-	1030 V D.C.	=	S6-5-G20	S937130000
		1030 V D.C.	-	S6T-5-G20	961211000

ACCESSORIES







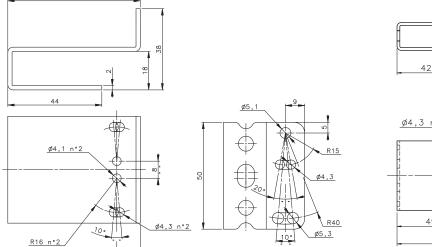


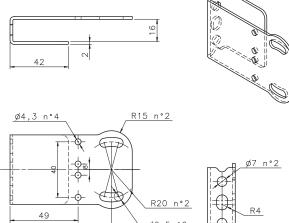




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ST-5018 ST-5019





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

TYPE	DESCRIPTION	LENGTH	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
	/ anda DILD	2 m	CS-A1-02-R-02	95A251540
	4-pole, P.U.R.	5 m	CS-A1-02-R-05	95A251560
		3 m	CS-A2-02-G-03	95A251360
	, , , , , , , , , , , , , , , , , , , ,	5 m	CS-A2-02-G-05	95A251240
Dadial M12 Connector	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
	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		3 m	CS-A2-12-G-03	95A251400
with LED	4-pole, grey, P.V.C.	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		10 m	CV-A1-22-B-10	95ACC1500
	4-pole, shielded, black,	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
Avial M12 Connector	4-pole, U.L., black, P.V.C.	10 m	CS-A1-02-U-10	95ASE1140
Axial M12 Connector		15 m	CS-A1-02-U-15	95ASE1150
		25 m	CS-A1-02-U-25	95ASE1160
	(cala blad.	Connector- not cabled	CS-A1-02-B-NC	G5085002
Radial M12 Connector	4-pole, black	Connector- not cabled	CS-A2-02-B-NC	G5085003

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