ODATALOGIC



S15

Plastic and stainless steel tubular M18 photoelectric sensors every environment

- Short case models for cost and space savings
- Plastic and stainless steel case with IP69K protection
- All optic functions at optimal operating distances
- Models with fixed settings or adjustment trimmer
- Cable, M12 connector and pig-tail models



APPLICATIONS

-Processing and Packaging machinery -Assembling and Conveyor lines























(*) Stainless steel models. VLEX II 3DC

		ATEXIL 3DG	
S15			
Through beam		020 m	
Retroreflective (on R2 reflector)		0,15 m	
Polarized retroreflective		0,14 m	
Retroreflective for transparent (on R2 reflector)		0,10,8 m	
		short distance 0100 mm	
Diffuse proximity		medium distance 0350 mm	
		long distance 1 m	
Fixed focus		050 mm	
Background suppression		40120 mm	
	Vdc	1030 V	
Power supply	Vac		
	Vac/dc		
	PNP	•	
	NPN	•	
Output	NPN/PNP		
	relay		
	other		
Connection	cable	•	
	connector	•	
	pig-tail	•	
Approximate dimensions (mm)		M18x44/48	
Housing material		ABS, INOX AISI 316L	
Mechanical protection		IP65 - IP67 - IP69K	

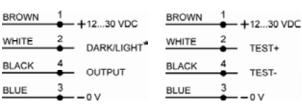


	TECHNICAL DATA		
Power supply	12 30 Vdc (limit values)		
Ripple	2 Vpp max.		
Consumption	25 mA max.		
Light emission	red LED 660 nm (mod. S15B/D/T/M)		
	IR LED 880 nm (mod. S15A/C/G)		
Setting	mono-turn trimmer (mod. S15A01/B01/Cx1/T01/F01) and 4 turns (mod. S15M01)		
Operating mode	white wire or pin 2 not connected: LIGHT mode (mod. S15C/D/M)/DARK mode (mod. S15A/B/T/F)		
	white wire or pin 2 connected to: 0 V DARK mode, +Vcc LIGHT mode		
In disease	yellow OUTPUT LED		
Indicators	green STABILITY LED, POWER LED (mod. S15G)		
Output	PNP or NPN		
Output current	100 mA max.		
Saturation voltage	2 V max.		
	1 ms (mod. S15A/B/C/T/M)		
Response time	2 ms (mod. S15F)		
	500 µs (mod. S15D)		
	500 Hz (mod. S15A/B/C/T/M)		
Switching frequency	250 Hz (mod. S15F)		
	1 kHz (mod. S15D)		
Connection	M12 4-pole connector, 2 m cable Ø 4 mm, 150 mm length Ø 4 mm cable with M12 4-pole connector (pig-tail vers.)		
Dielectric strength	500 Vac 1 min., between electronics and housing		
Insulation resistence	$>$ 20 M Ω 500 Vdc, between electronics and housing		
Mechanical protection	IP65, IP67, IP69K		
Ambient light rejection	according to EN 60947-5-2		
Vibrations	0.5 mm amplitude, 10 55 Hz frequency, for each axis (EN60068-2-6)		
Housing material	ABS TERLURAN, INOX AISI 316L (mod. S15-PA) - (mod. S15-NA)		
Lens material	plastic PMMA		
Operating temperature	-25 55°C		
Storage temperature	-25 70°C		
Weight	40 g max. conn. vers., 55 g max. cable vers., 35 g max. pig-tail vers.		

CONNECTIONS

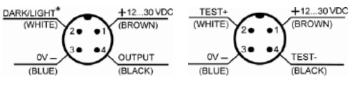
CABLE AND PIG-TAIL

Through beam emitter



M12 CONNECTOR

Through beam emitter

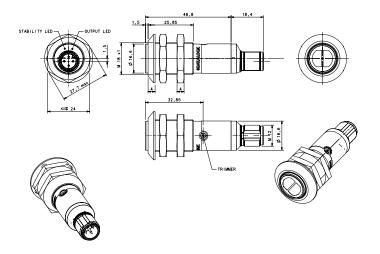


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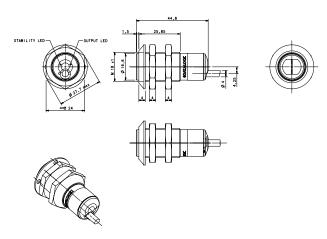
DIMENSIONS

PLASTIC

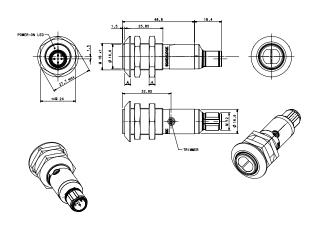
M12 connector version



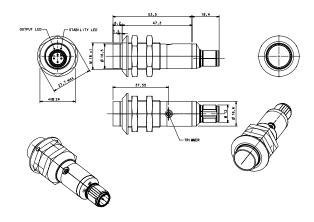
Cable version



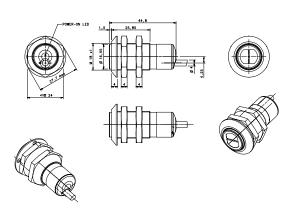
Through beam emitter - M12 connector version



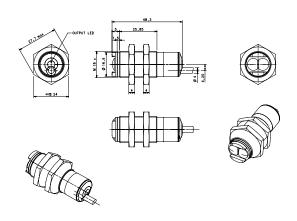
Background suppression - M12 connector version



Through beam emitter - cable version



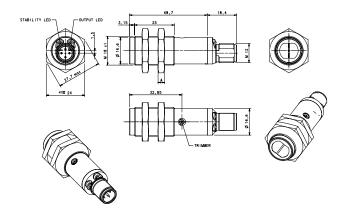
Diffuse proximity - cable version



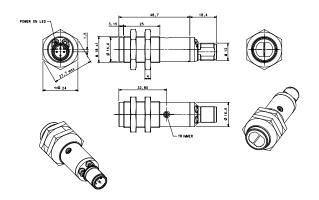
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STAINLESS STEEL

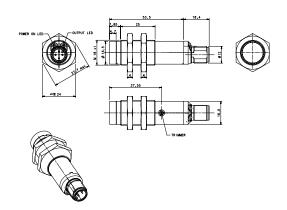
M12 connector version



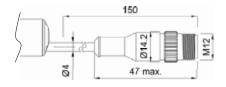
Through beam emitter - M12 connector version



Background suppression - M12 connector version

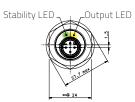


Pig-tail version

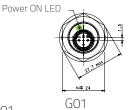


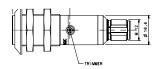
INDICATORS AND SETTINGS

Plastic/metal case with trimmer, M12 connector



A01, B01, C11, C31, T01, F01, M01

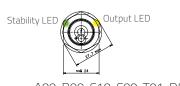




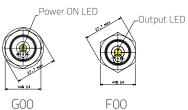




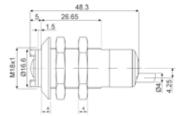
Plastic, no trimmer, Cable, Pig Tail



A00, B00, C10, C00, T01, D50



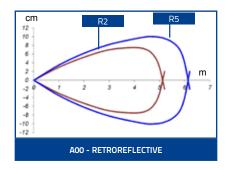
F00

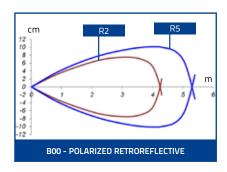


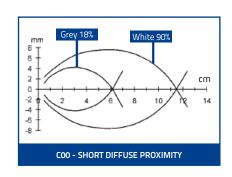


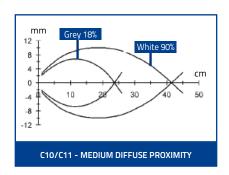
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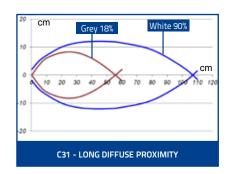
DETECTION DIAGRAMS

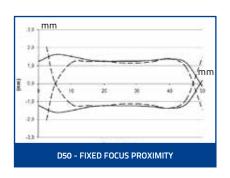


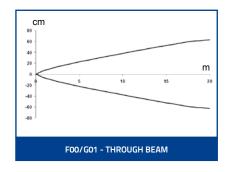


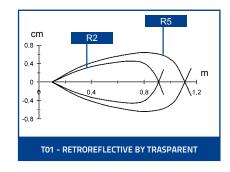














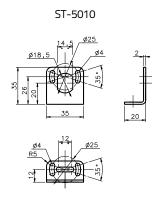


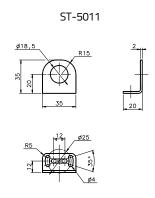
MODEL SELECTION AND ORDER INFORMATION

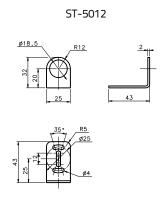
OPTIC FUNCTION	HOUSING	CONNECTION	OUTPUT	MODEL	ORDER No.
		- 11	NPN	S15-PA-2-A00-NK	952301051
		2 m cable	PNP	S15-PA-2-A00-PK	952301001
			NPN	S15-PA-5-A01-NK	952301300
	Plastic	M12 connector	PNP	S15-PA-5-A01-PK	952301220
Retroreflective			NPN	S15-PA-3-A00-NK	952301161
		pig-tail	PNP	S15-PA-3-A00-PK	952301111
			NPN	S15-NA-5-A01-NK	952301450
	Stainless Steel	M12 connector	PNP	S15-NA-5-A01-PK	952301370
			NPN	S15-PA-2-B00-NK	952301061
		2 m cable M12 connector	PNP	S15-PA-2-B00-PK	952301011
			NPN	S15-PA-5-B01-NK	952301310
	Plastic		PNP	S15-PA-5-B01-PK	952301230
Polarized Retroreflective			NPN	S15-PA-3-B00-NK	952301230
		pig-tail	PNP		
				S15-PA-3-B00-PK	952301121
	Stainless Steel	M12 connector	NPN	S15-NA-5-B01-NK	952301460
			PNP	S15-NA-5-B01-PK	952301380
		2 m cable	NPN	S15-PA-2-C00-NK	952301071
Diffuse proximity (short distance)	Plastic		PNP	S15-PA-2-C00-PK	952301021
(SHOLL distance)		pig-tail	NPN	S15-PA-3-C00-NK	952301181
		1.5	PNP	S15-PA-3-C00-PK	952301131
		2 m cable	NPN	S15-PA-2-C10-NK	952301081
			PNP	S15-PA-2-C10-PK	952301031
	Plastic	M12 connector	NPN	S15-PA-5-C11-NK	952301330
Diffuse proximity	. rastic	W12 connector	PNP	S15-PA-5-C11-PK	952301250
(medium distance)		pig-tail	NPN	S15-PA-3-C10-NK	952301191
		pig tall	PNP	S15-PA-3-C10-PK	952301141
	Stainless Steel	M12 connector	NPN	S15-NA-5-C11-NK	952301480
	Stalliless Steel	WHZ CONNECTOR	PNP	S15-NA-5-C11-PK	952301400
	Diagtic		NPN	S15-PA-5-C31-NK	952301340
Diffuse proximity	Plastic	M12 connector	PNP	S15-PA-5-C31-PK	952301260
(long distance)			NPN	S15-NA-5-C31-NK	952301490
	Stainless Steel		PNP	S15-NA-5-C31-PK	952301410
			NPN	S15-PA-2-D50-NK	952301530
		2 m cable	PNP	S15-PA-2-D50-PK	952301520
Fixed focus	Plastic		NPN	S15-PA-3-D50-NK	952301550
		pig-tail	PNP	S15-PA-3-D50-PK	952301540
			NPN	S15-PA-2-F00-NK	952301091
		2 m cable	PNP	S15-PA-2-F00-PK	952301031
			NPN	S15-PA-5-F01-NK	952301360
	Plastic	M12 connector	PNP	S15-PA-5-F01-PK	952301380
Through beam receiver					952301280
		pig-tail	NPN	S15-PA-3-F00-NK	
				S15-PA-3-F00-PK	952301151
	Stainless Steel	M12 connector	NPN	S15-NA-5-F01-NK	952301510
		2	PNP	S15-NA-5-F01-PK	952301430
	Plastic	2 m cable	-	S15-PA-2-G00-XG	952301101
Through beam emitter		M12 connector	-	S15-PA-5-G01-XG	952301290
-		pig-tail	-	S15-PA-3-G00-XG	952301211
	Stainless Steel	M12 connector	-	S15-NA-5-G01-XG	952301440
	Plastic Stainless Steel		NPN	S15-PA-5-M01-NK	952301350
Background suppression		M12 connector	PNP	S15-PA-5-M01-PK	952301270
sacrificatio suppression			NPN	S15-NA-5-M01-NK	952301500
	ושאור ככשווושאר		PNP	S15-NA-5-M01-PK	952301420
	Diactic		NPN	S15-PA-5-T01-NK	952301320
Tonnanavirt	Plastic	M13	PNP	S15-PA-5-T01-PK	952301240
Transparent	51.1.5.1	M12 connector	NPN	S15-NA-5-T01-NK	952301470
	Stainless Steel		PNP	S15-NA-5-T01-PK	952301390

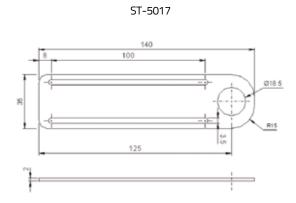
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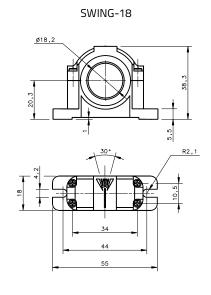
ACCESSORIES

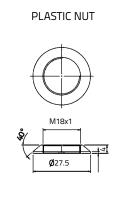


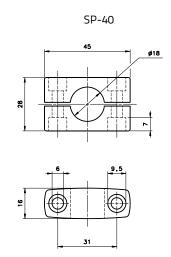












mm



MODEL	DESCRIPTION	ORDER No.
ST-5010	M18/14 mounting bracket	95ACC5230
ST-5011	M18 mounting bracket short	95ACC5240
ST-5012	M18 mounting bracket long	95ACC5250
ST-5017	M18 mounting bracket	95ACC5270
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

CABLES

ТҮРЕ	DESCRIPTION	LENGTH	MODEL	ORDER No.
Axial M12 Connector	4-pole, grey, P.V.C.	3 m	CS-A1-02-G-03	95A251380
		5 m	CS-A1-02-G-05	95A251270
		7 m	CS-A1-02-G-07	95A251280
		10 m	CS-A1-02-G-10	95A251390
	4-pole, P.U.R.	2 m	CS-A1-02-R-02	95A251540
		5 m	CS-A1-02-R-05	95A251560
	4-pole, grey, P.V.C.	3 m	CS-A2-02-G-03	95A251360
		5 m	CS-A2-02-G-05	95A251240
D. F. IMMOG		7 m	CS-A2-02-G-07	95A251245
Radial M12 Connector		10 m	CS-A2-02-G-10	95A251260
	/ polo DILD	2 m	CS-A2-02-R-02	95A251550
	4-pole, P.U.R.	5 m	CS-A2-02-R-05	95A251570
		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
		15 m	CV-A1-22-B-15	95ACC2070
	4-pole, shielded, black, 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
Axial M12 Connector	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
		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