

S100

DATALOGIC**IO-Link****New ASIC**

THE UNIVERSAL MINIATURE PHOTOELECTRIC SENSOR

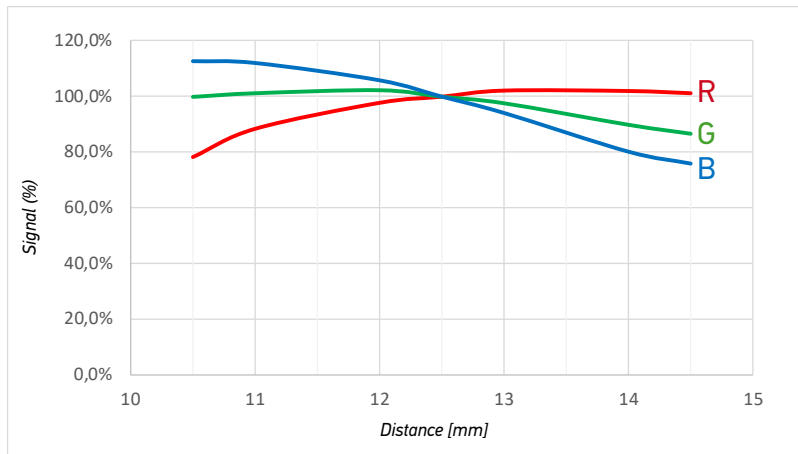
- Two threaded front mounting holes
- Two slotted rear mounting holes
- Anti-tampering sensor (no adjustment)
- High speed high resolution RGB contrast sensor available
- Transparent object detection
- M8 connector and cable models
- PNP or NPN models with Light/Dark selection by wire
- Plastic housing, IP67 mechanical protection
- IO-Link COM2 communication protocol
- IO-Link V1.1.2 version
- IO-Link extended parametrization for monitoring and maintenance

APPLICATIONS

- Processing and packaging machines
- Conveyors
- Automatic warehousing
- Intralogistic lines
- Bottling
- Cosmetic and Pharma machinery
- Industry 4.0 application compliant

S100

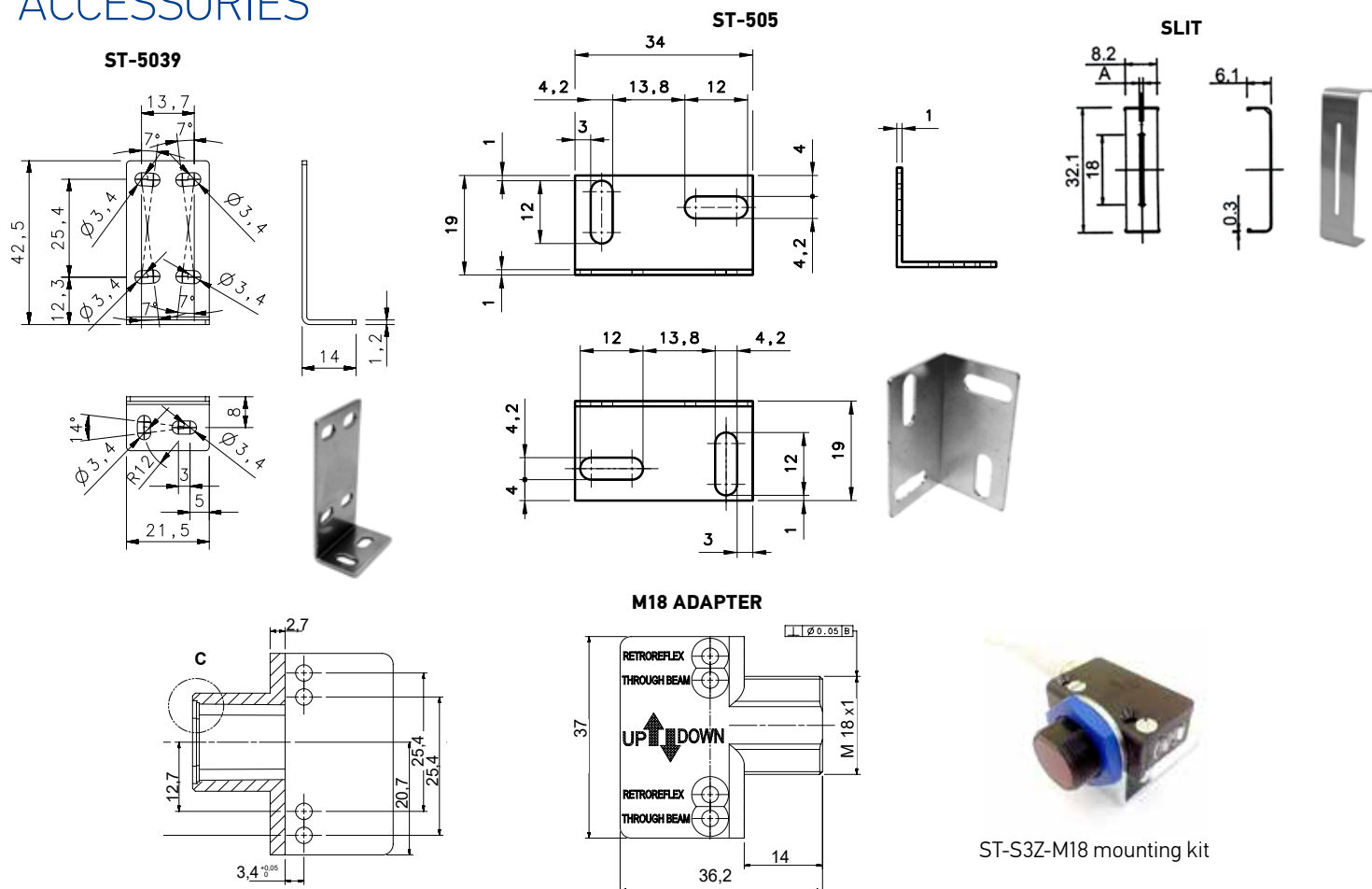
Through beam		12 m
Retroreflective		7 m
Polarized Retroreflective (long range)		5,5 m
Polarized Retroreflective (short range)		3 m
Transparent Retroreflective (short range)		500 mm
Transparent Retroreflective (long range)		2 m
Diffused proximity (short range)		300 mm
Diffused proximity (long range)		500 mm
Fixed focus		70 mm
Background Suppression (short range)		100 mm
Background Suppression (long range)		200 mm
RGB Mark Reader		12,5mm+/-2mm
Power supply	Vdc	10...30 Vdc
Output	PNP	•
	NPN	•
Connectivity	IO-Link	IO-Link V1.1.2 Smart Sensor Profile Fully programmable double output stage through IO-Link parametrization
Connection	cable	2 m cable, 4 wires
	connector	M8 conn., 4-pole
Approximate dimensions (mm)		32x20x12
Housing material		Plastic
Mechanical protection		IP67



MODEL SELECTION AND ORDER INFORMATION

OPTIC FUNCTION	EMISSION	OPERATING DISTANCE	CONNECTION	OUTPUT	MODEL	ORDER NO.
Through beam	IR	12 m	2 m cable	NPN	S100-PR-2-FG00-NK	950811100
				PNP	S100-PR-2-FG00-PK	950811110
			M8 connector	NPN	S100-PR-5-FG00-NK	950811240
				PNP	S100-PR-5-FG00-PK	950811250
Retroreflective	IR	7 m	2 m cable	NPN	S100-PR-2-A00-NK	950811000
				PNP	S100-PR-2-A00-PK	950811010
			M8 connector	NPN	S100-PR-5-A00-NK	950811140
				PNP	S100-PR-5-A00-PK	950811150
Polarized Retroreflective (short)	RED	2 m	2 m cable	NPN	S100-PR-2-B00-NK	950811020
				PNP	S100-PR-2-B00-PK	950811030
			M8 connector	NPN	S100-PR-5-B00-NK	950811160
				PNP	S100-PR-5-B00-PK	950811170
Polarized Retroreflective (long)	RED	5 m	2 m cable	NPN	S100-PR-2-B10-NK	950811280
				PNP	S100-PR-2-B10-PK	950811290
			M8 connector	NPN	S100-PR-5-B10-NK	950811300
				PNP	S100-PR-5-B10-PK	950811310
				IO-Link	S100-PR-5-B10-OZ	950810001
Transparent Retroreflective (short)	IR	500 mm	2 m cable	NPN	S100-PR-2-T00-NH	950811330
			2 m cable	PNP	S100-PR-2-T00-PH	950811320
			M8 connector	NPN	S100-PR-5-T00-NH	950811350
			M8 connector	PNP	S100-PR-5-T00-PH	950811340
Transparent Retroreflective (long)	IR	2 m	2 m cable	NPN	S100-PR-2-T10-NH	950811370
				PNP	S100-PR-2-T10-PH	950811360
			M8 connector	NPN	S100-PR-5-T10-NH	950811390
				PNP	S100-PR-5-T10-PH	950811380
				IO-Link	S100-PR-5-T10-OZ	950810002
Diffuse proximity (short)	RED	300 mm	2 m cable	NPN	S100-PR-2-C00-NK	950811040
				PNP	S100-PR-2-C00-PK	950811050
			M8 connector	NPN	S100-PR-5-C00-NK	950811180
				PNP	S100-PR-5-C00-PK	950811190
Diffuse proximity (long)	RED	500 mm	2 m cable	NPN	S100-PR-2-C10-NK	950811060
				PNP	S100-PR-2-C10-PK	950811070
			M8 connector	NPN	S100-PR-5-C10-NK	950811200
				PNP	S100-PR-5-C10-PK	950811210
Fixed focus	RED	70 mm	2 m cable	NPN	S100-PR-2-D00-NK	950811080
				PNP	S100-PR-2-D00-PK	950811090
			M8 connector	NPN	S100-PR-5-D00-NK	950811220
				PNP	S100-PR-5-D00-PK	950811230
Background suppression (short range)	RED	30...100 mm	2 m cable	NPN	S100-PR-2-M00-NH	950811120
				PNP	S100-PR-2-M00-PH	950811130
			M8 connector	NPN	S100-PR-5-M00-NH	950811260
				PNP	S100-PR-5-M00-PH	950811270
Background suppression (long range)	IR	30...200 mm	2 m cable	NPN	S100-PR-2-M10-NH	950811420
				PNP	S100-PR-2-M10-PH	950811430
			M8 connector	NPN	S100-PR-5-M10-NH	950811400
				PNP	S100-PR-5-M10-PH	950811410
				IO-Link	S100-PR-5-M10-OZ	950810003
				PNP	S100-PR-5-W00-PK	950810005
Mark Reader	RGB	12mm +/-2mm	M8 connector	IO-Link	S100-PR-5-W00-OZ	950810004

ACCESSORIES



TYPE	MODEL	DESCRIPTION	ORDER NO.
Mounting bracket	ST-505	lateral mounting	95ACC2800
	ST-5039	L-shaped bracket	95ACC2270
Slit	S100-SLIT-05	0,5x19 mm SLIT	95ACC3450
	S100-SLIT-1	1x19 mm SLIT	95ACC3460
	S100-SLIT-2	2x19 mm SLIT	95ACC3470
M18 adapter	ST-S3Z-M18 mounting kit	M18 THREADED ADAPTER NOSE	95ACC7850

IO-LINK CONNECTIVITY		
MODEL	DESCRIPTION	ORDER No.
CBX-8IOL-EIP	CBX-8IOL-EIP 8P IOL M12 EIP MASTER	95ACC8180
CBX-8IOL-PNIO	CBX-8IOL-PNIO 8P IOL M12 PROFINET MASTER	95ACC8190

CABLES				
TYPE	DESCRIPTION	LENGTH	MODEL	ORDER NO.
Axial M8 Connector	4-pole, grey, P.V.C.	3 m	CS-B1-02-G-03	95A251420
		5 m	CS-B1-02-G-05	95A251430
		7 m	CS-B1-02-G-07	95A251440
		10 m	CS-B1-02-G-10	95A251480
	4-pole, P.U.R.	2 m	CS-B1-02-R-02	95A251620
		5 m	CS-B1-02-R-05	95A251640
		Radial M8 Connector		
Radial M8 Connector	4-pole, grey, P.V.C.	3 m	CS-B2-02-G-03	95A251450
		5 m	CS-B2-02-G-05	95A251460
		7 m	CS-B2-02-G-07	95A251470
		10 m	CS-B2-02-G-10	95A251530
		4-pole, P.U.R.	2 m	CS-B2-02-R-02
	5 m		CS-B2-02-R-05	95A251650
	Axial M12 F/M8 M Connector	4-pole, double headed	3 m	CS-H1-02-B-03

Rev. 01, 03/2020

DATALOGIC PRODUCT OFFERING

