SLIM

CDATALOGIC



Highest mechanical flexibility for a perfect fit into machine structures

Simple commissioning and maintenance High functional performance

- SLIM profile: 15 x 32 mm
- Pigtail cable with 5-pole M12 connectors
- Same cable for Emitter and Receiver
- No Dead Zone
- 14, 24 and 34 mm resolution
- 34 different protection lengths, with 30 mm modularity
- 3 different brackets shapes
- Cascadable up to 3 units
- Auto/Manual restart and EDM function configuration by wiring
- LED display messages diagnosis

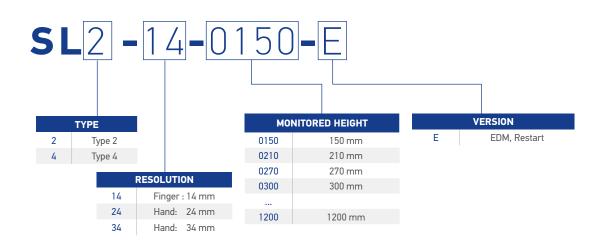
APPLICATIONS

- Primary packaging machinery (packing, filling, labelling, etc...)
- Cutting machinery
- Automatic assembly machines and lines
- Automatic and semi-automatic quality inspection machinery
- Material handling machinery
- · Bending and metal-working machinery
- Process lines

INDUSTRIES

- Food & Beverage
- Electronics
- Automotive
- Metal working

	FINGER	HAND	ARM	BODY
Type 2	Х	Х		
Type 4	Х	Х		

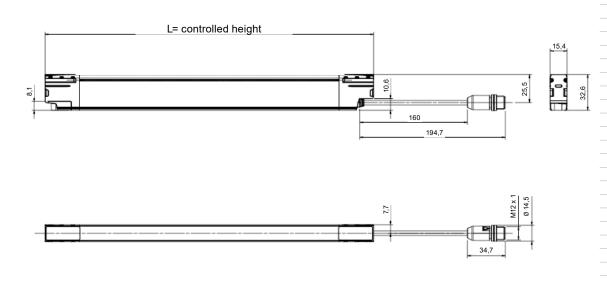


TECHNICAL DATA

	GENERAL DATA		
Type (EN61496-1)	2	4	
PL (EN ISO 13849-1)	С	e	
SIL (IEC 61508)	1	3	
Resolution	14 - 24 - 34 mm		
Protected heights	150 210 270 1200 (with 30 mm steps)		
Operating distance	0.26 m		
	ELECTRICAL DATA		
Power supply (Vdd)	24 Vo	dc ± 20%	
Outputs	2	PNP	
Output current	0.3 A max / each output		
Capacitive load	1 uF @ 24Vdc max		
Response time*	RT = 7 17 ms (14 mm resolution) RT = 7 13 ms (24 mm resolution) RT = 7 15 ms (34 mm resolution) Cascade Response time (up to 3 units) <= 20ms		
Cables length (for power supply)	20 m max		
	MECHANICAL AND ENVIRONMENTAL D	ATA	
Operating temperature	-10+55 °C		
Storage temperature	-25° 70°C		
Humidity	15 95 % (no condensation)		
Mechanical protection	IP65 (EN 60529)		
Housing material	Painted Aluminium, Painted Zamak		
Window material	Р	MMA	
	FUNCTIONS		
		tomatic restart	
		e Monitoring (EDM)	
NOTE	Alignm	nent mode	

 $^{^{\}star}$ Response time is dependent on height: for more details refer to product manual

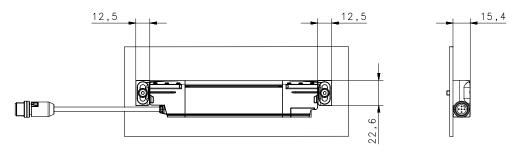
DIMENSIONS

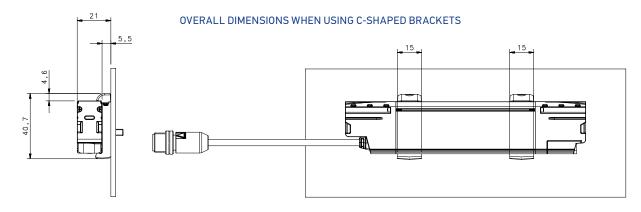


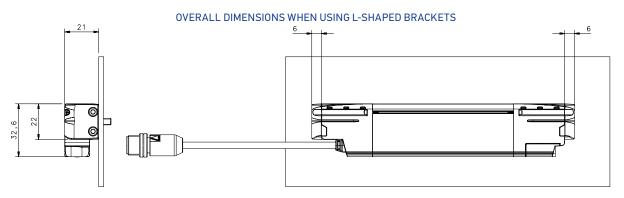
MODEL	
	(mm)
SLx-yy-0150-E	150
SLx-yy-0210-E	210
SLx-yy-0270-E	270
SLx-yy-0300-E	300
SLx-yy-0330-E	330
SLx-yy-0360-E	360
SLx-yy-0390-E	390
SLx-yy-0420-E	420
SLx-yy-0450-E	450
SLx-yy-0480-E	480
SLx-yy-0510-E	510
SLx-yy-0540-E	540
SLx-yy-0570-E	570
SLx-yy-0600-E	600
SLx-yy-0630-E	630
SLx-yy-0660-E	660
SLx-yy-0690-E	690
SLx-yy-0720-E	720
SLx-yy-0750-E	750
SLx-yy-0780-E	780
SLx-yy-0810-E	810
SLx-yy-0840-E	840
SLx-yy-0870-E	870
SLx-yy-0900-E	900
SLx-yy-0930-E	930
SLx-yy-0960-E	960
SLx-yy-0990-E	990
SLx-yy-1020-E	1020
SLx-yy-1050-E	1050
SLx-yy-1080-E	1080
SLx-yy-1110-E	1110
SLx-yy-1140-E	1140
SLx-yy-1170-E	1170
SLx-yy-1200-E	1200

DIMENSIONS

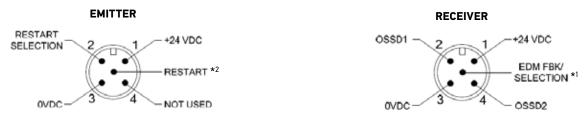
OVERALL DIMENSIONS WHEN USING O-SHAPED BRACKETS







CONNECTIONS



NOTES:

EDM: If connected to NC contact of a forced-guided relay, EDM function is ON; if connected to OSSD1, EDM function is OFF. **RESTART**: if connected through NC contact to 24Vdc: MANUAL RESTART; if connected to RESTART SELECTION: AUTOMATIC RESTART; if left unconnected (floating): ALIGNMENT MODE.

INDICATORS





MODEL SELECTION AND ORDER INFORMATION

			HAND PROTECTION - 2			
	SL2 [SL2-14-xxxx-E]	Order number	SL2 [SL2-24-xxxx-E]	Order number	SL2 [SL2-34-xxxx-E]	Order number
	SL2-14-0150-E	957911020	SL2-24-0150-E	957911360	SL2-34-0150-E	957911700
	SL2-14-0210-E	957911030	SL2-24-0210-E	957911370	SL2-34-0210-E	957911710
	SL2-14-0270-E	957911040	SL2-24-0270-E	957911380	SL2-34-0270-E	957911720
	SL2-14-0300-E	957911050	SL2-24-0300-E	957911390	SL2-34-0300-E	957911730
	SL2-14-0330-E	957911060	SL2-24-0330-E	957911400	SL2-34-0330-E	957911740
	SL2-14-0360-E	957911070	SL2-24-0360-E	957911410	SL2-34-0360-E	957911750
	SL2-14-0390-E	957911080	SL2-24-0390-E	957911420	SL2-34-0390-E	957911760
	SL2-14-0420-E	957911090	SL2-24-0420-E	957911430	SL2-34-0420-E	957911770
	SL2-14-0450-E	957911100	SL2-24-0450-E	957911440	SL2-34-0450-E	957911780
	SL2-14-0480-E	957911110	SL2-24-0480-E	957911450	SL2-34-0430-E	957911790
	SL2-14-0510-E	957911120	SL2-24-0400-E SL2-24-0510-E	957911460	SL2-34-0510-E	957911800
	SL2-14-0510-E SL2-14-0540-E	957911130	SL2-24-0510-E SL2-24-0540-E	957911470	SL2-34-0510-E SL2-34-0540-E	957911810
	SL2-14-0570-E	957911140	SL2-24-0570-E	957911480	SL2-34-0570-E	957911820
	SL2-14-0600-E	957911150	SL2-24-0600-E	957911490	SL2-34-0600-E	957911830
	SL2-14-0630-E	957911160	SL2-24-0630-E	957911500	SL2-34-0630-E	957911840
	SL2-14-0660-E	957911170	SL2-24-0660-E	957911510	SL2-34-0660-E	957911850
PΕ	SL2-14-0690-E	957911180	SL2-24-0690-E	957911520	SL2-34-0690-E	957911860
	SL2-14-0720-E	957911190	SL2-24-0720-E	957911530	SL2-34-0720-E	957911870
	SL2-14-0750-E	957911200	SL2-24-0750-E	957911540	SL2-34-0750-E	957911880
	SL2-14-0780-E	957911210	SL2-24-0780-E	957911550	SL2-34-0780-E	957911890
	SL2-14-0810-E	957911220	SL2-24-0810-E	957911560	SL2-34-0810-E	957911900
	SL2-14-0840-E	957911230	SL2-24-0840-E	957911570	SL2-34-0840-E	957911910
	SL2-14-0870-E	957911240	SL2-24-0870-E	957911580	SL2-34-0870-E	957911920
	SL2-14-0900-E	957911250	SL2-24-0900-E	957911590	SL2-34-0900-E	957911930
	SL2-14-0930-E	957911260	SL2-24-0930-E	957911600	SL2-34-0930-E	957911940
	SL2-14-0960-E	957911270	SL2-24-0960-E	957911610	SL2-34-0960-E	957911950
	SL2-14-0990-E	957911280	SL2-24-0990-E	957911620	SL2-34-0990-E	957911960
	SL2-14-1020-E	957911290	SL2-24-1020-E	957911630	SL2-34-1020-E	957911970
	SL2-14-1050-E	957911300	SL2-24-1050-E	957911640	SL2-34-1050-E	957911980
	SL2-14-1080-E	957911310	SL2-24-1080-E	957911650	SL2-34-1080-E	957911990
	SL2-14-1110-E	957911320	SL2-24-1110-E	957911660	SL2-34-1110-E	957912000
	SL2-14-1110-E	957911330	SL2-24-1110-E SL2-24-1140-E	957911670	SL2-34-1140-E	957912010
	SL2-14-1170-E	957911340	SL2-24-1170-E	957911680	SL2-34-1170-E	957912020
	SL2-14-1700-E	957911350	SL2-24-1770-E SL2-24-1200-E	957911690	SL2-34-1200-E	957912030
	SL4 [SL4-14-xxxx-E]	Order number	SL4 [SL4-24-xxxx-E]	Order number	SL4 [SL4-34-xxxx-E]	Order numbe
	SL4 [SL4-14-xxxx-E] SL4-14-0150-E	Order number 957910000	SL4 [SL4-24-xxxx-E] SL4-24-0150-E	Order number 957910340	SL4 [SL4-34-xxxx-E] SL4-34-0150-E	Order numbe 957910680
	SL4-14-0150-E	957910000	SL4-24-0150-E	957910340	SL4-34-0150-E	
	SL4-14-0150-E SL4-14-0210-E	957910000 957910010	SL4-24-0150-E SL4-24-0210-E	957910340 957910350	SL4-34-0150-E SL4-34-0210-E	957910680 957910690
	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E	957910000 957910010 957910020 957910030	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E	957910340 957910350 957910360 957910370	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E	957910680 957910690 957910700 957910710
	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0330-E	957910000 957910010 957910020 957910030 957910040	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E	957910340 957910350 957910360 957910370 957910380	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0330-E	957910680 957910690 957910700 957910710 957910720
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	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0330-E SL4-14-0360-E SL4-14-0390-E	957910000 957910010 957910020 957910030 957910040 957910050 957910060	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E SL4-24-0360-E SL4-24-0390-E	957910340 957910350 957910360 957910370 957910380 957910390 957910400	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0330-E SL4-34-0360-E SL4-34-0390-E	957910680 957910690 957910700 957910710 957910720 957910730 957910740
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	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0330-E SL4-14-0360-E SL4-14-0390-E SL4-14-0420-E SL4-14-0450-E SL4-14-0450-E SL4-14-0450-E SL4-14-0510-E SL4-14-0510-E SL4-14-0540-E SL4-14-0570-E	957910000 957910010 957910020 957910030 957910050 957910060 957910070 957910080 957910090 957910100 957910100	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E SL4-24-0360-E SL4-24-0390-E SL4-24-0420-E SL4-24-0450-E SL4-24-0480-E SL4-24-0510-E SL4-24-0510-E SL4-24-050-E	957910340 957910350 957910360 957910370 957910380 957910390 957910400 957910410 957910420 957910430 957910440 957910440 957910450 957910460	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0330-E SL4-34-0360-E SL4-34-0390-E SL4-34-0420-E SL4-34-0450-E SL4-34-0480-E SL4-34-0510-E SL4-34-0510-E SL4-34-050-E	957910680 957910690 957910700 957910710 957910720 957910730 957910740 957910750 957910770 957910770 957910780 957910790
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	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0300-E SL4-14-0300-E SL4-14-0390-E SL4-14-0420-E SL4-14-0450-E SL4-14-0450-E SL4-14-0510-E SL4-14-0570-E SL4-14-0600-E	957910000 957910010 957910010 957910020 957910030 957910040 957910050 957910070 957910080 957910100 95791010 957910120 957910130 957910140 957910150 957910160 957910170 957910180 957910190	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E SL4-24-0360-E SL4-24-0420-E SL4-24-0450-E SL4-24-0510-E SL4-24-0540-E SL4-24-0600-E	957910340 957910350 957910360 957910370 957910380 957910390 957910400 957910420 957910430 957910440 957910450 957910460 957910470 957910490 957910500 957910510 957910520 957910530 957910540	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0300-E SL4-34-0360-E SL4-34-0420-E SL4-34-0450-E SL4-34-0510-E SL4-34-0540-E SL4-34-0640-E SL4-34-0600-E	957910680 957910690 957910700 957910710 957910720 957910730 957910750 957910760 957910770 957910780 957910810 957910810 957910820 957910820 957910840 957910850 957910850 957910850 957910850 957910880
	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0330-E SL4-14-0390-E SL4-14-0420-E SL4-14-0450-E SL4-14-0450-E SL4-14-0510-E SL4-14-0510-E SL4-14-050-E SL4-14-050-E SL4-14-050-E SL4-14-050-E SL4-14-050-E SL4-14-060-E SL4-14-060-E SL4-14-060-E SL4-14-0690-E SL4-14-0750-E SL4-14-0750-E SL4-14-0750-E SL4-14-0750-E SL4-14-0750-E SL4-14-0780-E	957910000 957910010 957910010 957910020 957910030 957910050 957910050 957910060 957910080 957910090 957910100 957910120 957910130 957910140 957910150 957910160 957910170 957910180 957910190 957910190 957910190 957910190	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E SL4-24-0360-E SL4-24-0420-E SL4-24-0450-E SL4-24-0450-E SL4-24-0510-E SL4-24-0510-E SL4-24-0600-E SL4-24-0750-E SL4-24-0750-E SL4-24-0750-E SL4-24-0780-E SL4-24-0780-E SL4-24-0810-E SL4-24-0840-E	957910340 957910350 957910360 957910370 957910380 957910390 957910400 957910420 957910430 957910440 957910440 957910450 957910470 957910490 957910490 957910500 957910520 957910530 957910540 957910550	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0330-E SL4-34-0360-E SL4-34-0420-E SL4-34-0450-E SL4-34-0450-E SL4-34-0550-E SL4-34-0600-E SL4-34-0750-E SL4-34-0750-E SL4-34-0750-E SL4-34-0750-E SL4-34-0780-E SL4-34-0780-E SL4-34-0810-E SL4-34-0840-E	957910680 957910690 957910700 957910710 957910720 957910730 957910750 957910760 957910770 957910780 957910800 957910810 957910820 957910830 957910840 957910840 957910860 957910860 957910880 957910840 957910850 957910850
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	SL4-14-0150-E SL4-14-0210-E SL4-14-0270-E SL4-14-0300-E SL4-14-0330-E SL4-14-0360-E SL4-14-0390-E SL4-14-0420-E SL4-14-0450-E SL4-14-0510-E SL4-14-0540-E SL4-14-0540-E SL4-14-0600-E SL4-14-0700-E SL4-14-0700-E SL4-14-0800-E SL4-14-0800-E SL4-14-0800-E SL4-14-0900-E SL4-14-0900-E SL4-14-0900-E	957910000 957910010 957910010 957910020 957910030 957910050 957910060 957910070 957910080 957910100 957910110 957910120 957910150 957910150 957910160 957910170 957910180 957910170 957910170 957910180 957910200 957910210 957910220 957910230	SL4-24-0150-E SL4-24-0210-E SL4-24-0270-E SL4-24-0300-E SL4-24-0330-E SL4-24-0360-E SL4-24-0420-E SL4-24-0450-E SL4-24-0450-E SL4-24-0510-E SL4-24-0500-E SL4-24-0600-E SL4-24-0700-E SL4-24-0800-E SL4-24-0900-E SL4-24-0900-E SL4-24-0900-E	957910340 957910350 957910360 957910370 957910380 957910390 957910400 957910410 957910420 957910440 957910450 957910460 957910470 957910490 957910500 957910500 957910520 957910520 957910550 957910550 957910560 957910570	SL4-34-0150-E SL4-34-0210-E SL4-34-0270-E SL4-34-0300-E SL4-34-0300-E SL4-34-0300-E SL4-34-0300-E SL4-34-0390-E SL4-34-0420-E SL4-34-0450-E SL4-34-0450-E SL4-34-0510-E SL4-34-0510-E SL4-34-0510-E SL4-34-0500-E SL4-34-0600-E SL4-34-0600-E SL4-34-0600-E SL4-34-0750-E SL4-34-0810-E SL4-34-0810-E SL4-34-0810-E SL4-34-0810-E SL4-34-0810-E SL4-34-0900-E SL4-34-0900-E	957910680 957910690 957910700 957910710 957910720 957910730 957910740 957910750 957910760 957910770 957910780 957910800 957910820 957910840 957910850 957910850 957910860 957910880 957910880
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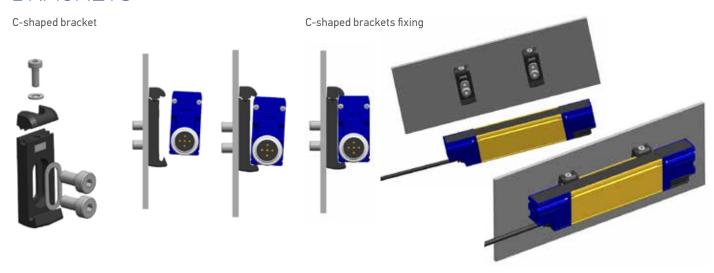
ACCESSORIES SELECTION AND ORDER INFORMATION

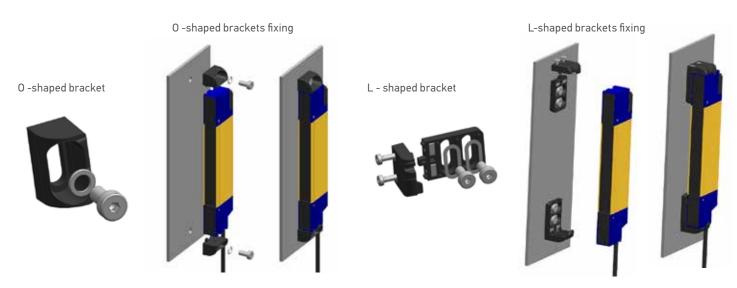
В	RACKETS	ORDER NUMBER
C-shaped Brackets (included): 2 pcs kit	ST-K2-SL-C	95ASE2510
0-shaped Brackets (included): 4 pcs kit	ST-K4-SL-0	95ASE2520
L-shaped Bracktets: 2 pcs kit	ST-K2-SL-L	95ASE2540
C-shaped Orientable Brackets: 2 pcs kit	ST-K2-SL-C-OR	95ASE2530
Deviating Mirrors	SG-DM Series	See NOTE 1
Deviating Mirrors mounting kit for SG-PSB	ST-PS-DM	See NOTE 1
Mirror Mounting Bracket	ST-DM	See NOTE 1
Safety Unit	SE-SR2	95ACC6170
EDM Relay Box**	CS-ME	95ASE1270
Safety control unit for single beams and SLC (with muting)	SG-BWS-T4-MT	957051010
	ST PIECES	
Test Piece 14mm L=300mm	TP-14	95ACC1630
Test Piece 24mm L=200mm	TP-24	95ASE2570
Test Piece 34mm L=200mm	TP-34	95ASE2580
NOTES		

NOTE 1: For order numbers of these accessories refer to SAFETY REFERENCE GUIDE or to datasheets of SG-DM accessories

NOTE 2: When using EDM Relay Box or Muting connection box, connect EDM input, and be sure EDM function is active on the safety light curtain

BRACKETS





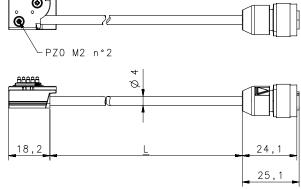
CABLES

	RECEIVER/TRANSMITTER CABLE		
	CS-A1-03-U-03	3	95ASE1170
SL2/SL4	CS-A1-03-U-05	5	95ASE1180
	CS-A1-03-U-10	10	95ASE1190
	CS-A1-03-U-15	15	95ASE1200
	CS-H1-03-B-001	0.1	95A252950
SL2/SL4 [SLx-xx-xxxx-E]	CS-H1-03-B-005	0.5	95ASE2550
	CS-H1-03-B-01	1	95ASE2560
NATE			

NOTE

All cables have axial connectors

CASCADE CABLE DIMENSIONS

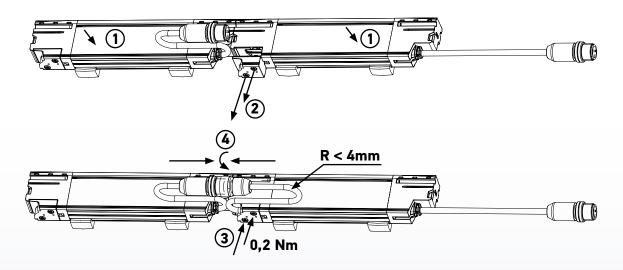


CASCADE CABLES	
CS-H1-03-B-001	90
CS-H1-03-B-005	490
CS-H1-03-B-01	990

TO CONNECT CASCADE UNIT:

Fix all cascade units with proper brackets. (1)

Remove Terminator Caps at the end of Master by loosening the two fixing screws for both emitter and receiver. (2) Fasten the cascade cables in place of removed terminator caps, ensure all cables bend radius it's not less than 4mm. (3) Connect Slaves M12 male connectors to M12 Female connectors from cascade cables. (4)



Rev. 07, 05/2020

DATALOGIC PRODUCT OFFERING



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