COLATACO

SG BODY BIG BASE SG BODY BIG MUTING



Robust housing for harsh environments Long operating range for perimeter control Rapid solution for access control with muting Easy installation and alignment

- 2, 3, 4 beams for body protection
- 40 mm resolution for arm protection and presence detection
- Controlled heights 500, 800, 900 and 1200 mm
- Long operating distance: up to 60 m
- Simple configuration through DIP switches
- Integrated muting lamp (only muting models)
- Anti-interference coding
- External muting enable signal
- Edged or triggered muting dependent override

APPLICATIONS

- Automatic machines
- Robots
- Automatic assembly lines
- Palletizers and depalletizers
- Material handling



			FINGER	HAND	ARM	B
Food & Beverage		Type 2				
Metalworking Automotive Nood Ceramics		Type 4			Х	
				VERSION		
	ТҮРЕ			VERSION		
	2 Type 2 4 Type 4	050 500 mm (2 bear 080 800 mm (3 bear	· F		without function	
		090 900 mm (4 bear	ms)	Muting, wit	th integrated	
	BEAMS AND RANGE	120 1200 mm (4 bea	ms) W-C	muting	function	
B2	2 Beams					
B3	3 Beams					
B4	4 Beams	SG	4-4(60	D (
BSR2	2 Beams Short Range (only type 4)					
BSR3	3 Beams Short Range (only type 4)					
BSR4	4 Beams Short Range (only type 4)			MONUTO	DRED HEIGHT	
BLR2	2 Beams Long Range (only type 4)					
BLR3	3 Beams Long Range (only type 4)			060	660 mm	
	4 Beams Long Range (only type 4)			090	960 mm	
BLR4	· · · · · · · · · · · · · · · · ·					

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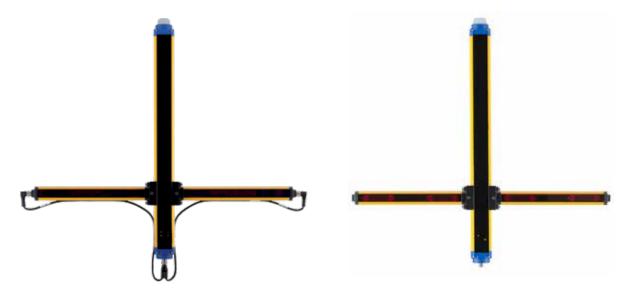
\$DATALOGIC

TECHNICAL DATA

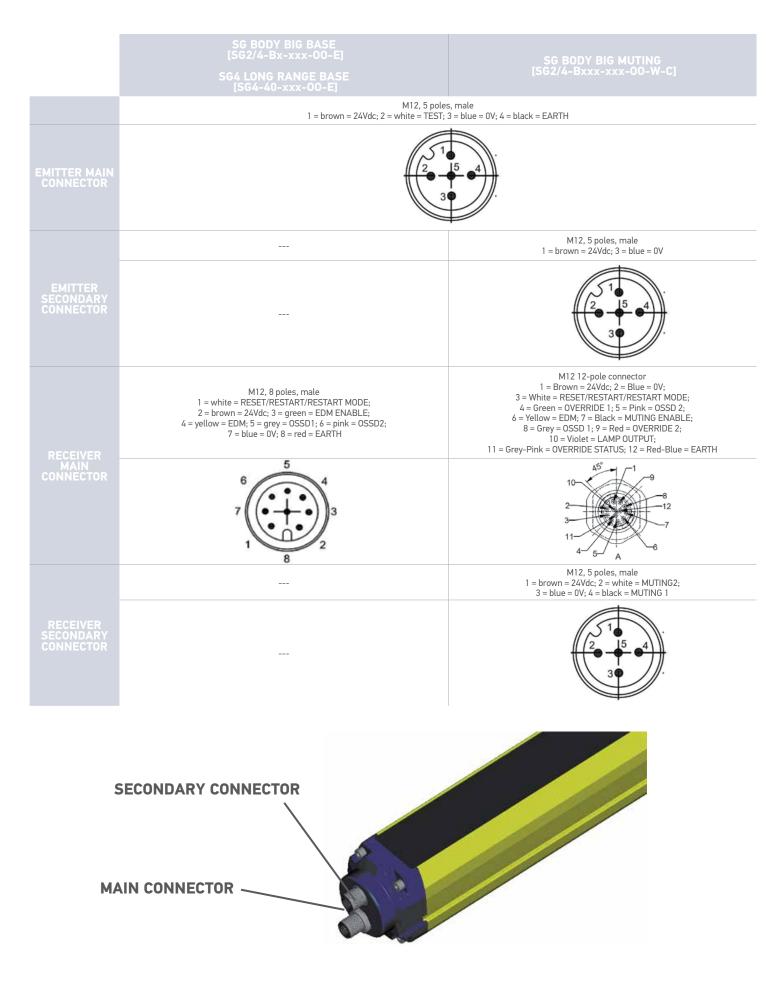
	SG2 BODY BIG BASE [SG2-Bx-xxx-00-E]	SG2 BODY BIG MUTING [SG2-Bxxx-xxx-00-W-C]	SG4 BODY BIG BASE [SG4-Bx-xxx-00-E]	SG4 BODY BIG MUTING [SG4-Bxxx-xxx-00-W-C]	SG4 LONG RANGE BASE [SG4-40-xxx-00-E]			
		GENERAL	DATA					
Туре (ЕN61496-1-2)		4						
PL (EN ISO 13849-1)		С		e				
SIL (IEC 61508)		1		3				
Resolution		319,75 mm (4 beams) 419,75 mm (3 and 4 beams) 519,75 mm (2 beams)						
Operating distance	0.5	5 60 m	50 m 6 60 m		6 60 m			
Retroreflective muting arms operating distance (not included)		0.5 3 m		0.5 3 m (Only for Short Range model)				
Emitter-Receiver muting arms operating distance		0.5 7 m		0.5 7 m				
Protected height		660 mm 960 mm 1260 mm						
		ELECTRICA						
Power supply (Vdd)			24 Vdc ± 20%					
Outputs	2 PNP							
Output current	0.5 A max/each output							
Capacitive load			2,2 uF max at 25°C		1			
Response time	11 24 ms depending on model ^A 20 24 ms depending on model ^A							
Cables length (for power supply)			70 m max.		1 3			
		MECHANICAL AND ENV	IRONMENTAL DATA					
Operating temperature	0+55 ℃							
Humidity	15 95 % (no condensation)							
Mechanical protection			IP 65 (EN 60529)					
		FUNCTI						
			Test input					
	Manual/Automatic restart External Device Monitoring (EDM)							
	Coding selection with DIP-SW							
		T-Muting/L-Muting		, T-Muting/L-Muting				
		Muting timeout: 10 min. or ∞		Muting timeout: 10 min. or ∞				
		Integrated muting lamp		Integrated muting lamp				
		Override		Override				
		Muting enable input		Muting enable input				
		Override status output		Override status output				
		Muting lamp output		Muting lamp output				

NOTES

^A For detailed informations refer to related Product Datasheet or Manual



CONNECTIONS



ACCESSORIES

	SG BODY BIG BASE [SG2/4-Bx-xxx-00-E]	SG BODY BIG MUTING [SG2/4-Bxxx-xxx-00-W-C]	SG4 LONG RANGE BASE [SG4-40-xxx-00-E]					
Included with the light curtain	None							
Standard angled brackets (4 pcs)		ST-K4STD-SG-BODY BIG						
Rear fixing bracket mounting (4 pcs)		ST-K4REAR-SG BODY BIG						
Rotating brackets (4 pcs)		ST-K4ROT-SG BODY BIG						
Antivibration support (4 pcs/6 pcs) ^c		ST-K4AV ST-K6AV						
Plastic brackets (4 pcs/6 pcs) ^c	ST-KP4MP ST-KP6MP							
	PROTECTION TUBES, STANDS							
IP67/IP69K tubes								
Protective stands		SG-PSB series ^B						
Stand plate for SG-PSB	SG-P							
Protective stands mounting brackets (4 Pcs/6 pcs) ^c	ST-PS4-SG BODY ST-PS6-SG BODY							
Floor columns	SE-S Series							
	MIRRORS							
Protective stands with single mirrors	SG-PS							
Deviating mirrors mounting kit for SG-PSB	ST-PS-DM							
Deviating mirrors	SG-DM series							
Mirror mounting bracket	ST-DM							
	SAFETY UNIT							
Safety unit	SE-SR2							
Edm relay box ^d	CS ME-03VU24-Y14							
Safety control unit for single beams and SLC	SG-BWS-T4-MT							
	ALIGNMENT TOOL							
Laser pointer	SG-LP							
		ACCESSORIES FOR MUTING						
Muting arms, brackets and cables		See page 70						
Muting connection box ^d		SG-SRT-1						
External muting lamps		LMS series						

NOTES

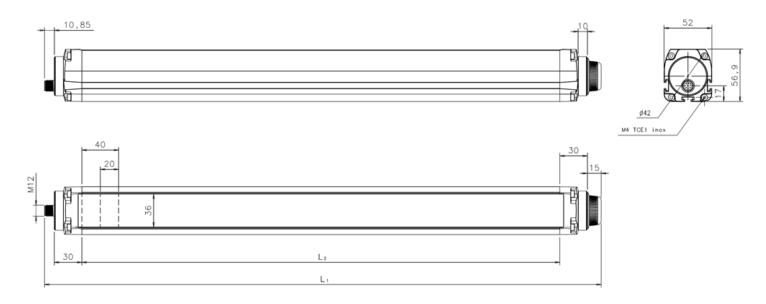
 $^{\rm B}\,\rm Not$ possible with T or L muting arms mounted

^C Use 6 brackets for light curtains with length \ge 1200 mm

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

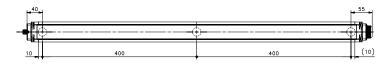


DIMENSIONS (MM)



DIMENSIONS (MM)







MODEL	L1 [mm]	L2 [mm]
SGx-B2-050-00-E	606,35	520,5
SGx-B3-080-00-E	906,35	820,5
SGx-B4-090-00-E	1006,35	920,5
SGx-B4-120-00-E	1306,35	1220,5
SG4-40-060-00-E	783,35	700,5
SG4-40-090-00-E	1083,35	1000,5
SG4-40-120-00-E	1383,35	1300,5
SGx-Byy2-050-00-W-C	609,35	520,5
SGx-Byy3-080-00-W-C	909,35	820,5
SGx-Byy4-090-00-W-C	1009,35	920,5
SGx-Byy4-120-00-W-C	1309,35	1220,5



INDICATORS



MODEL SELECTION AND ORDER INFORMATION

	BODY PROTECTION					ARM PROTECTION PRESENCE DETECTION			
MUTING	SG2 BODY BIG BASE [SG2-BX-XXX-00-E]	ORDER CODE	MUTING	SG4 BODY BIG BASE [SG4-BX-XXX-00-E]	ORDER CODE	IGE	SG4 LONG RANGE BASE [SG4-40-XXX-00-E]	ORDER CODE	
	SG2-B2-050-00-E	957851240	M	SG4-B2-050-00-E	957851280	RANG	SG4-40-060-00-E	957851570	
5	SG2-B3-080-00-E	957851250	OUT	SG4-B3-080-00-E	957851290		SG4-40-090-00-E	957851580	
WITHOUT	SG2-B4-090-00-E	957851260	WITH	SG4-B4-090-00-E	957851300	ONG	SG4-40-120-00-E	957851590	
≥	SG2-B4-120-00-E	957851270	Z	SG4-B4-120-00-E	957851310				
MUTING	SG2 BODY BIG MUTING [SG2-BXXX-XXX-00-W-C]	ORDER CODE	RANGE	SG4 BODY BIG MUTING [SG4-BXXX-XXX-00-W-C]	ORDER CODE				
5	SG2-B2-050-00-W-C	957851320	RA	SG4-BSR2-050-00-W-C	957851400				
	SG2-B3-080-00-W-C	957851330	SHORT	SG4-BSR3-080-00-W-C	957851410				
TED	SG2-B4-090-00-W-C	957851340	BHG	SG4-BSR4-090-00-W-C	957851420				
INTEGRAT	SG2-B4-120-00-W-C	957851350		SG4-BSR4-120-00-W-C	957851430				
Ĕ			Э	SG4-BLR2-050-00-W-C	957851360				
			RANG	SG4-BLR3-080-00-W-C	957851370				
WITH			8	SG4-BLR4-090-00-W-C	957851380				
3			LONG	SG4-BLR4-120-00-W-C	957851390				

CABLES

	TRANSMITTER CABLE (MAIN CONNECTOR)	LENGTH (m)	ORDER CODE	
SG BODY BIG BASE	CS -A1-03-U-03	3	95ASE 1170	
[SG2-Bx-xxx-00-E] [SG4-Bx-xxx-00-E]	CS -A1-03-U-05	5	95ASE 1180	
SG4 LONG RANGE BASE	CS -A1-03-U-10	10	95ASE 1190	
SG4 LONG RANGE BASE [SG4-40-xxx-00-E]	CS -A1-03-U-15	15	95ASE 1200	
SG BODY BIG MUTING	CS -A1-03-U-25	25	95ASE 1210	
[SG2-Bx-xxx-00-W-C] [SG4-Bxxx-xxx-00-W-C]	CS -A1-03-U-50	50	95A252700	
	RECEIVER CABLE (MAIN CONNECTOR)	LENGTH (m)	ORDER CODE	
SG BODY BIG BASE	CS -A1-06-U-03	3	95ASE1220	
[SG2-Bx-xxx-00-E] [SG4-Bx-xxx-00-E]	CS -A1-06-U-05	5	95ASE1230	
[SG4-BX-XXX-UU-E]	CS -A1-06-U-10	10	95ASE1240	
	CS -A1-06-U-15	15	95ASE1250	
SG4 LONG RANGE BASE [SG4-40-xxx-00-E]	CS -A1-06-U-25	25	95ASE1260	
	CS -A1-06-U-50	50	95A252710	
	CS -A1-10-U-03	3	95A252720	
	CS -A1-10-U-05	5	95A252730	
SG BODY BIG MUTING	CS -A1-10-U-10	10	95A252740	
[SG2-Bx-xxx-00-W-C] [SG4-Bxxx-xxx-00-W-C]	CS -A1-10-U-15	15	95A252750	
	CS -A1-10-U-25	25	95A252760	
	CS -A1-10-U-50	50	95A252770	
	TRANSMITTER CABLE (SECONDARY CONNECTOR) RECEIVER CABLE (SECONDARY CONNECTOR)	LENGTH (m)	ORDER CODE	
	CS -A1-03-U-03	3	95ASE 1170	
	CS -A1-03-U-05	5	95ASE 1180	
SG BODY BIG MUTING	CS -A1-03-U-10	10	95ASE 1190	
[SG2-Bx-xxx-00-W-C] [SG4-Bxxx-xxx-00-W-C]	CS -A1-03-U-15	15	95ASE 1200	
	CS -A1-03-U-25	25	95ASE 1210	
	CS -A1-03-U-50	50	95A252700	

NOTES

All cables have axial connectors

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