

SG BODY REFLECTOR BASE

SG BODY REFLECTOR MUTING



One active and one passive unit to reduce wiring and installation costs

Robust housing for harsh environments

Easy installation and alignment

Reflective muting arms included in L and T muting version

All advanced features associated to muting function

- 2, 3, 4 beams for body protection
- Controlled heights 500, 800, 900 and 1200 mm
- Up to 8 m operating distance
- Simple configuration through DIP switches
- Integrated muting lamp (muting models)
- Anti-interference coding
- External muting enable signal
- Edged or triggered muting dependent override



APPLICATIONS

- Automatic machines
- Robots
- Automatic assembling lines
- Palletizers and Depalletizers

INDUSTRIES

- Food & Beverage, Metalworking, Automotive, Wood, Ceramics

	FINGER	HAND	ARM	BODY
Type 2				
Type 4				x

Active unit

SG4-RB2L-050-00-W

TYPE		BEAMS AND RANGE		MUTING ARMS		MONITORED HEIGHT		VERSION	
4	Type 4	2	2 Beams	---	Linear version: no muting arms included	050	500 mm (2 beams)	E	Base: without integrated muting function
		3	3 Beams	L	L muting arms included	080	800 mm (3 beams)	W	Muting: with integrated muting function
		4	4 Beams	T	T muting arms included	090	900 mm (4beams)	N	SG4-N Body Reflector Muting: muting function with single main connector
						120	1200 mm (4 beams)		

Passive unit

SG4-RDB2L-090

TYPE		BEAMS AND RANGE		MUTING ARMS		MONITORED HEIGHT	
4	Type 4	2	2 Beams	---	Linear version: no muting arms included	---	500 mm (2 beams) or 800 mm (3 beams)
		3	3 Beams	L	L muting arms included	090	900 mm (4 beams)
		4	4 Beams	T	T muting arms included	120	1200 mm (4 beams)

TECHNICAL DATA

	SG BODY REFLECTOR BASE [SG4-RBx-xxx-00-E] + [SG4-RDBx]	SG BODY REFLECTOR MUTING [SG4-RBx-xxx-00-W] + [SG4-RDBx] [SG4-RBxL/T-xxx-00-W] + [SG4-RDBxL/T]	SG4-N BODY REFLECTOR MUTING [SG4-RBx-xxx-00-N] + [SG4-RDBx]
GENERAL DATA			
Type (EN61496-1)	4		
PL (EN ISO 13849-1)	e		
SIL (IEC 61508)	3		
Resolution	319,75 mm (4 beams) 419,75 mm (3 and 4 beams) 519,75 mm (2 beams)		
Protected height	500 mm (2 beams) 800 mm (3 beams) 900 mm or 1200 (4 beams)		
Operating distance	0.5 ... 8 m 0.5 ... 6.5 m (for SG4-RB4-090-00-E)	0.5 ... 8 m (for SG4-RBx-xxx-00-W) 0.5 ... 6.5 m (for SG4-RB4-090-00-W) 0.5 ... 3 m (for SG4-RBxL/T-00-W)	0.5 ... 8 m (for SG4-RBx-xxx-00-N) 0.5 ... 6.5 m (for SG4-RB4-090-00-N)
Retroreflective muting arms operating distance (included in T and L models)	---	0.5 ... 3 m	---
Emitter-Receiver muting arms operating distance (not included)	---	0.5 ... 7 m	---
ELECTRICAL DATA			
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		
Response time	11 ... 12 ms depending on model *		
Cables length (for power supply)	70 m max.		
MECHANICAL AND ENVIRONMENTAL DATA			
Operating temperature	0 ... +55 °C		
Humidity	15 ... 95 % (no condensation)		
Mechanical protection	IP 65 (EN 60529)		
Housing Material	Painted aluminium, PBT		
Window material	PMMA		
FUNCTIONS			
	Manual / Automatic restart		
	External Device Monitoring (EDM)		
	Coding selection with DIP-SW		
---	---	T-Muting / L-Muting	
---	---	Integrated muting lamp	
---	---	Muting filter	
---	---	Muting timeout: 10 min. or ∞	
---	---	Muting enable input	---
---	---	Override status output	---
---	---	External muting lamp output	---
---	---	Override	---
			Impulsive Override
NOTES			
* For detailed informations refer to related Product Datasheet or Manual			

MODEL SELECTION AND ORDER INFORMATION

	SG4 BODY REFLECTOR BASE [SG4-RBX-XXX-00-E]	ORDER NUMBER	SG4 BODY REFLECTOR MUTING [SG4-RBX-XXX-00-W]	ORDER NUMBER	SG4-N BODY REFLECTOR MUTING [SG4-RBX-XXX-00-N] + [SG4-RDBX]	ORDER NUMBER
ACTIVE SIDE	SG4-RB2-050-00-E	957951000	LINEAR (WITHOUT MUTING ARMS)		LINEAR (WITHOUT MUTING ARMS)	
	SG4-RB3-080-00-E	957951010	SG4-RB2-050-00-W	957951030	SG4-RB2-050-00-N	957951220
	SG4-RB4-090-00-E	957951190	SG4-RB3-080-00-W	957951040	SG4-RB3-080-00-N	957951230
	SG4-RB4-120-00-E	957951020	SG4-RB4-090-00-W	957951180	SG4-RB4-090-00-N	957951240
	---	---	SG4-RB4-120-00-W	957951050	SG4-RB4-120-00-N	957951250
	---	---	WITH T MUTING ARMS			
	---	---	SG4-RB2T-050-00-W	957951080		
	---	---	SG4-RB3T-080-00-W	957951090		
	---	---	WITH L MUTING ARMS			
	---	---	SG4-RB2L-050-00-W	957951060		
	---	SG4-RB3L-080-00-W	957951070			
PASSIVE SIDE	SG4 BODY REFLECTOR BASE [SG4-RDBX] [SG4-RDBX-XXX]	ORDER NUMBER	SG4 BODY BIG MUTING [SG4-RDBX] [SG4-RDBXL/T]	ORDER NUMBER	SG4 BODY REFLECTOR BASE [SG4-RDBX] [SG4-RDBX-XXX]	ORDER NUMBER
	SG4-RDB2	957951100	LINEAR (WITHOUT MUTING ARMS)			
	SG4-RDB3	957951110	SG4-RDB2	957951100	SG4-RDB2	957951100
	SG4-RDB4-090	957951170	SG4-RDB3	957951110	SG4-RDB3	957951110
	SG4-RDB4-120	957951120	SG4-RDB4-090	957951170	SG4-RDB4-090	957951170
	---	---	SG4-RDB4-120	957951120	SG4-RDB4-120	957951120
	---	---	WITH T MUTING ARMS			
	---	---	SG4-RDB2T	957951150		
	---	---	SG4-RDB3T	957951160		
	---	---	WITH L MUTING ARMS			
---	---	SG4-RDB2L	957951130			
---	---	SG4-RDB3L	957951140			

IMPORTANT NOTES

- 1) Active and passive sides must be ordered separately
- 2) Brackets are not included in the SG4 BODY REFLECTOR packing and must be ordered separately (see accessories table)

CABLES

	ACTIVE UNIT (MAIN CONNECTOR)	LENGTH (M)	ORDER CODE
SG4 BODY REFLECTOR BASE [SG4-RBX-XXX-00-E]	CS-A1-06-U-03	3	95ASE1220
	CS-A1-06-U-05	5	95ASE1230
	CS-A1-06-U-10	10	95ASE1240
SG4-N BODY REFLECTOR MUTING [SG4-RBX-XXX-00-N]	CS-A1-06-U-15	15	95ASE1250
	CS-A1-06-U-25	25	95ASE1260
	CS-A1-06-U-50	50	95A252710
SG4 BODY REFLECTOR MUTING [SG4-RBX-XXX-00-W]	CS-A1-10-U-03	3	95A252720
	CS-A1-10-U-05	5	95A252730
	CS-A1-10-U-10	10	95A252740
	CS-A1-10-U-15	15	95A252750
	CS-A1-10-U-25	25	95A252760
	CS-A1-10-U-50	50	95A252770
	ACTIVE UNIT (SECONDARY CONNECTOR)	LENGTH (M)	ORDER CODE
SG4 BODY REFLECTOR MUTING [SG4-RBX-XXX-00-W]	CS-A1-03-U-03	3	95ASE1170
	CS-A1-03-U-05	5	95ASE1180
	CS-A1-03-U-10	10	95ASE1190
	CS-A1-03-U-15	15	95ASE1200
	CS-A1-03-U-25	25	95ASE1210
	CS-A1-03-U-50	50	95A252700

NOTES

All cables have axial connectors