

Safety Light Curtains Hand Resolution Series SB4-35/*-D15

CARLO GAVAZZI



- Safety Category 4 in conformity with EN 61496-1 and /-2
- Hand resolution
- On board DIP-Switch selectable functions
- Failure diagnosis by LEDs
- Easy alignment and mounting procedure
- Compact dimensions
- Approvals:



Product Description

Safety Light Curtains of Safety Category 4 in conformity with EN 61494-1 /-2. The SB4-35 series is characterized by hand resolution and is provided with partial / total muting function, automatic / manual restart mode. All the software dedicated is on board and the functions above can be selected and adjusted through the DIP switches placed in the receiver unit. The SB4 light curtain series can be effectively adopted along with the respective safety relay NL1/3-D, obtaining a complete safety package for many industrial applications.

Ordering Key

SB4-35/187-D15

Safety Barriers _____
 Safety Category _____
 Resolution _____
 Protected Height _____
 Operating Distance _____

Type Selection

Height of the protected area	Response time (ms)	Number of beams	Overall height H	Ordering no.
187mm (7.36")	15	8	256mm (10.08")	SB4-35/187-D15
334mm (13.15")	17	16	403mm (15.87")	SB4-35/334-D15
481mm (18.94")	18	24	550mm (21.65")	SB4-35/481-D15
628mm (24.72")	20	32	697mm (27.44")	SB4-35/628-D15
775mm (30.51")	22	40	844mm (33.23")	SB4-35/775-D15
922mm (36.3")	23	48	991mm (39.02")	SB4-35/922-D15
1069mm (42.09")	25	56	1138mm (44.8")	SB4-35/1069-D15
1216mm (47.87")	27	64	1285mm (50.6")	SB4-35/1216-D15
1363mm (53.66")	28	72	1432mm (56.38")	SB4-35/1363-D15
1510mm (59.45")	30	80	1579mm (62.17")	SB4-35/1510-D15
1657mm (65.24")	32	88	1726mm (67.95")	SB4-35/1657-D15

General Specifications

Resolution	35 mm (1.38")	Other functions	Override
Scanning distance	0.2 to 15 m (7.9" to 49'2")	Response time	See Type Selection table
Dip-Switch selectable functions	Automatic or manual reset Partial or total muting		



Electrical Specifications

Power supply	24 Vdc ± 20%	Light emission	Infrared (880 nm)
Emitter consumption	70 mA max	Output function	2 PNP
Receiver consumption	100 mA max	Output current	0.5 max (on single output)

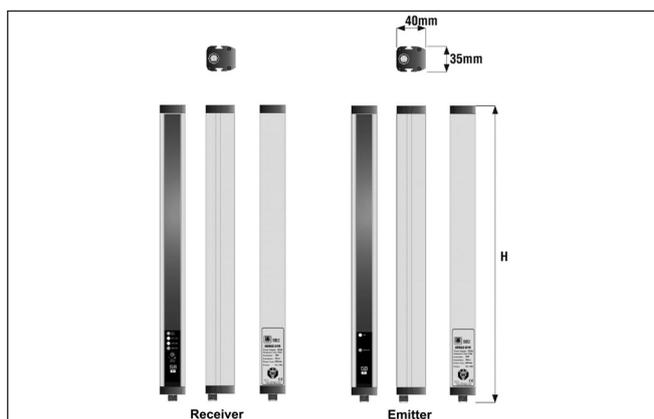
Environmental Specifications

Operating temperature	-10 to + 55°C	Storage temperature	-25 to + 70°C
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Mechanical Specifications

Receiver connection	M 12 8-pole connector Standard shielded cable length: 3, 5 or 10 m	Protection Degree	IP 65
Emitter connection	M 12 4-pole connector Standard shielded cable length: 3, 5 or 10 m	Housing material	Painted aluminum (yellow Ral 1028)
		Weight	1.2 Kg max/m of total height

Dimensions



H = Overall height (see Type Selection)

Wiring Diagrams

