

Safety Light Curtains Finger Resolution Series SB4-14/*-D6

CARLO GAVAZZI



- Safety Category 4 in conformity with EN 61496-1 and /-2
- Finger 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- finger resolution series 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

SB4-14/161-D6

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.
161mm (6.34")	18	21	256mm (10.08")	SB4-14/161-D6
308mm (12.13")	22	42	403mm (15.87")	SB4-14/308-D6
455mm (17.91")	26	63	550mm (21.65")	SB4-14/455-D6
602mm (23.7")	31	84	697mm (27.44")	SB4-14/602-D6
749mm (29.49")	35	105	844mm (33.23")	SB4-14/749-D6

General Specifications

Resolution	14 mm (0.55")	Other functions	Override
Scanning distance	0.2 to 6 m (7.9" to 19'8")	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)

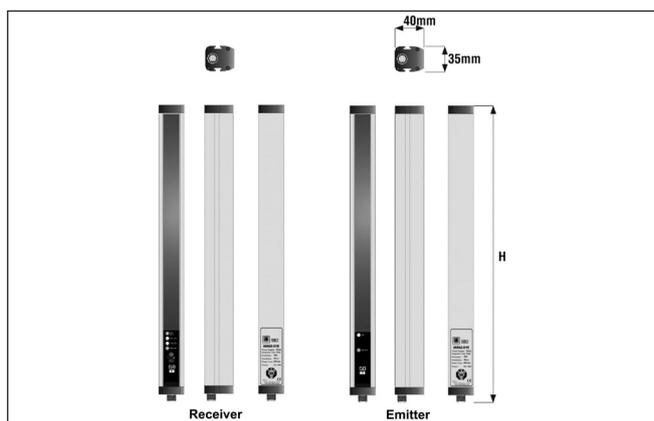
Environmental Specifications

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

