

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



- 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:

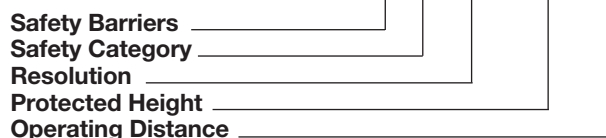


## Product Description

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**



## 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")	<b>SB4-14/161-D6</b>
308mm (12.13")	22	42	403mm (15.87")	<b>SB4-14/308-D6</b>
455mm (17.91")	26	63	550mm (21.65")	<b>SB4-14/455-D6</b>
602mm (23.7")	31	84	697mm (27.44")	<b>SB4-14/602-D6</b>
749mm (29.49")	35	105	844mm (33.23")	<b>SB4-14/749-D6</b>

## General Specifications

<b>Resolution</b>	14 mm (0.55")	<b>Other functions</b>	Override
<b>Scanning distance</b>	0.2 to 6 m (7.9" to 19'8")	<b>Response time</b>	See Type Selection table
<b>Dip-Switch selectable functions</b>	Automatic or manual reset Partial or total muting		

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### 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)

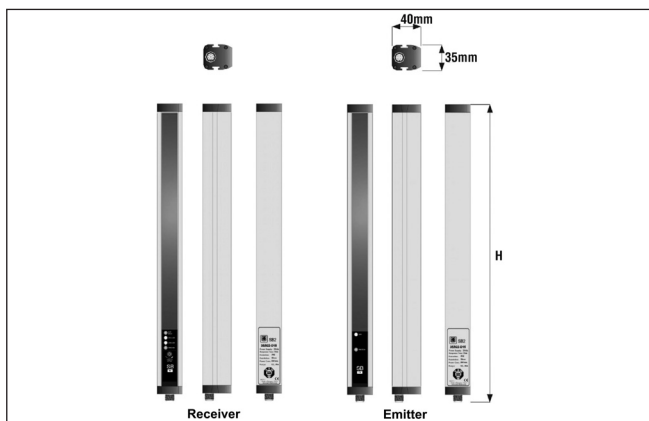
### Environmental Specifications

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

