

# Safety Light Curtains

## Hand resolution series SB2-35/\*-D15



- Safety Category 2 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
- Approval:



### Product Description

Safety Light Curtains of Safety Category 2 in conformity with EN 61494-1 /-2. The SB2-35 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 SB2 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

**SB2-35/187-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) mm	Ordering no.
187	15	8	256	<b>SB2-35/187-D15</b>
334	17	16	403	<b>SB2-35/334-D15</b>
481	18	24	550	<b>SB2-35/481-D15</b>
628	20	32	697	<b>SB2-35/628-D15</b>
775	22	40	844	<b>SB2-35/775-D15</b>
922	23	48	991	<b>SB2-35/922-D15</b>
1069	25	56	1138	<b>SB2-35/1069-D15</b>
1216	27	64	1285	<b>SB2-35/1216-D15</b>
1363	28	72	1432	<b>SB2-35/1363-D15</b>
1510	30	80	1579	<b>SB2-35/1510-D15</b>
1657	32	88	1726	<b>SB2-35/1657-D15</b>

### General Specifications

Resolution	35 mm	Other functions	Override
Scanning distance	0,2 ÷ 15 m	Response time	See Type Selection table
Dip-Switch selectable functions	Automatic or manual reset Partial or total muting		

## Electrical Specifications

Power supply	24 Vac ± 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)

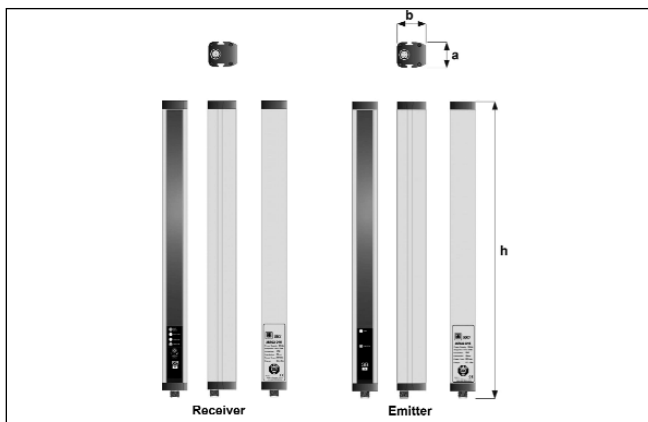
## Environmental Specifications

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

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

## Dimensions



## Wiring Diagrams

