Safety Light Curtains
SB*2-30 Series

CARLO GAVAZZI

- Safety Category 2 according to EN 61496-1 and /-2
- Hand resolution
- Self-monitoring
- Failure alarm / diagnosis by LED
- Quick installation and alignment
- Compact profile
- Approval:

Product Description

Safety category 2 light curtains, according to EN 61496-1 /-2.
SB*2-30 series is featured by 30 mm resolution for protecting hands. Self-monitoring is integrated and controls operating status of safety outputs every 0,5 s. SB*2-30 series can be provided with manual or automatic START depend- ing on the version and with 2 PNP safety outputs. These safety light curtains can be used together with NL control module series over a large variety of industrial applica- tions and wherever a com- pact and reliable safety device is required.

Ordering Key

SBA2-30/334-D15

Safety Light Curtains
Start mode
Safety Category
Resolution
Protected height
Operating distance

Type Selection

Protected height	Response time (ms)	Number of beams	Overall height h (mm)	Ordering no. Automatic START	Ordering no. Manual START
187	14	8	227	SBA2-30/187-D15	SBM2-30/187-D15
334	15	16	374	SBA2-30/334-D15	SBM2-30/334-D15
481	16	24	521	SBA2-30/481-D15	SBM2-30/481-D15
628	17	32	668	SBA2-30/628-D15	SBM2-30/628-D15
775	18	40	815	SBA2-30/775-D15	SBM2-30/775-D15
922	19	48	962	SBA2-30/922-D15	SBM2-30/922-D15
1069	20	56	1109	SBA2-30/1069-D15	SBM2-30/1069-D15
1216	22	64	1256	SBA2-30/1216-D15	SBM2-30/1216-D15
1363	23	72	1403	SBA2-30/1363-D15	SBM2-30/1363-D15
1510	24	80	1550	SBA2-30/1510-D15	SBM2-30/1510-D15

General Specifications

Resolution	30 mm
Operating distance	0,2 ÷ 15 m

START mode	Automatic or Manual (see type selection tab.)
Response time	See type selection tab.

Specifications are subjected to change without notice (10.01.04)

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Elettrical Specifications

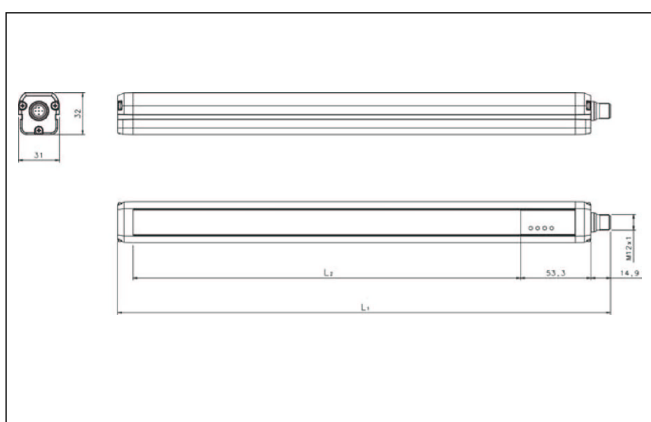|			
Power supply	24 Vac ± 20%	Light emissione	Infrared (880 nm)
Emitter consumption	70 mA max	Output function	2 PNP
Receiver consumption	100 mA max	Output current	0.5 A max (single output)

Environmental Specifications

Operating temperature	0 ÷ + 55°C	Storage temperature	-25 ÷ + 70°C

Mechanical Specifications

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

Dimensions

Wiring Diagrams

Receiver (RX):
1 = brown = +24 VDC
2 = white = OSSD1
3 = blue = 0 V
4 = black = OSSD 2
5 = gray = TEST *

* A version, TEST/RESET
  M version, TEST/START/RESET

Emitter (TX):
1 = brown = +24 VDC
3 = blue = 0 V

NL1/3-D safety module