

Safety Light Curtains SB*2-90 Series

CARLO GAVAZZI



- Safety Category 2 according to EN 61496-1 and /-2
- Body resolution
- Self-monitoring
- Failure alarm / diagnosis by LED
- Quick installation and alignment
- Compact profile
- Approvals: TÜV, cULus

Product Description

Safety category 2 light curtains, according to EN 61496-1 /-2.

SB*2-90 series is featured by 90 mm resolution for protecting body. Self-monitoring is integrated and controls operating status of safety outputs every 0,5 s. SB*2-90 series can be provided with manual or automatic START

depending 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 applications and wherever a compact and reliable safety device is required.

Ordering Key

SBA2-90/334-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
334	15	5	374	SBA2-90/334-D15	SBM2-90/334-D15
481	16	7	521	SBA2-90/481-D15	SBM2-90/481-D15
628	17	9	668	SBA2-90/628-D15	SBM2-90/628-D15
775	18	11	815	SBA2-90/775-D15	SBM2-90/775-D15
92	19	13	962	SBA2-90/922-D15	SBM2-90/922-D15
1069	20	15	1109	SBA2-90/1069-D15	SBM2-90/1069-D15
1216	22	17	1256	SBA2-90/1216-D15	SBM2-90/1216-D15
1363	23	19	1403	SBA2-90/1363-D15	SBM2-90/1363-D15
1510	24	21	1550	SBA2-90/1510-D15	SBM2-90/1510-D15

General Specifications

Resolution	90 mm	START mode	Automatic or Manual (see type selection tab.)
Operating distance	0.2 ÷ 15 m	Response time	See type selection tab.

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 A max (single output)



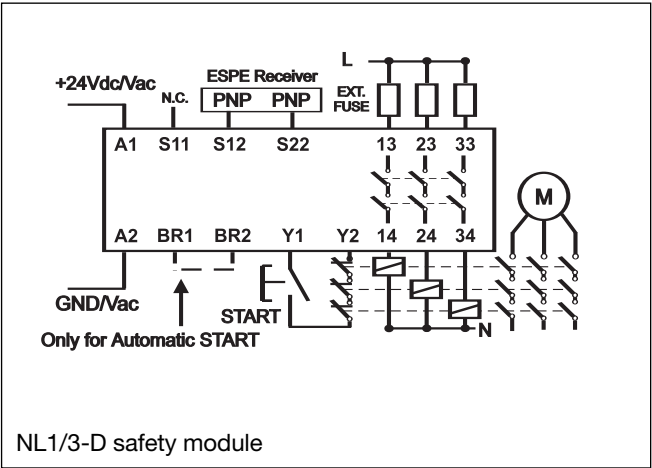
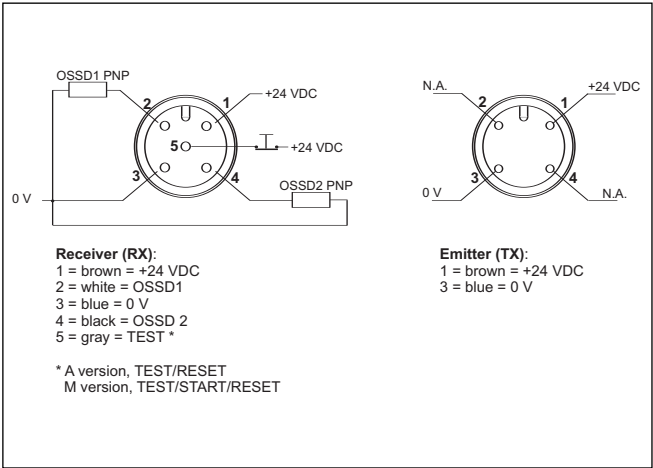
Environmental Specifications

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

Receiver connection	M 12 5-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

Wiring Diagrams



Dimensions

