

Safety Light Curtains BLG 4A

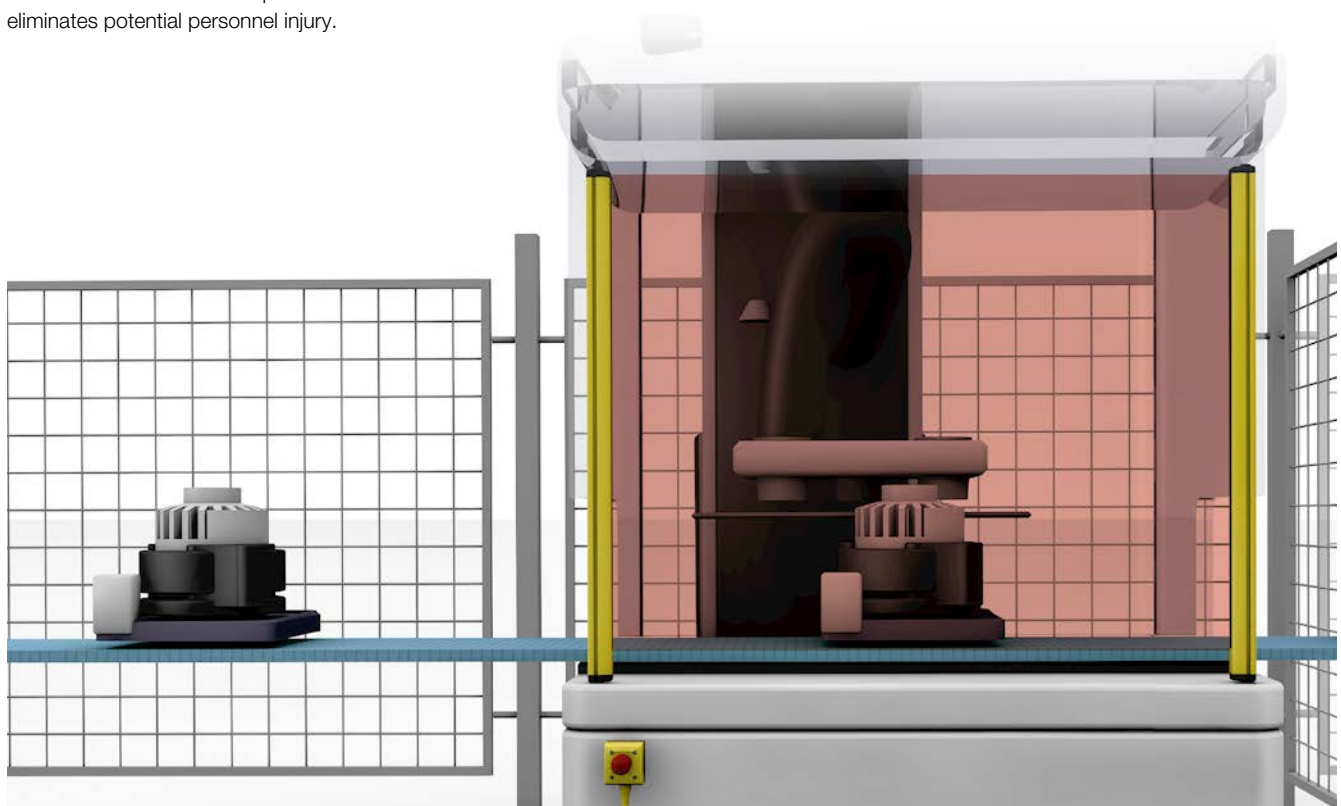
COST-EFFECTIVE HAZARDOUS AREA SAFEGUARDING FOR PERSONAL PROTECTION

Safety light curtains are non-contacting, optoelectronic devices for detecting fingers, hands or bodies and keeping them safe from hazardous machine motion. Used in work areas where machines present potential hazards, their most important task is to stop injury-inducing machine movements. They can be used in place of mechanical barriers or fixed guards to allow easier, safe access in and out of a machine or a guarded area.

A safety light curtain consists of an emitter and a receiver and covers the protected area using a 2-dimensional infrared field. As soon as the beams from the emitter are interrupted by an object, both output signal switching devices (OSSDs) on the receiver are turned off. This stops the machine connected to the OSSD outputs and eliminates potential personnel injury.

Features

- PLe / SIL 3 per standards EN ISO 13849 and EN/IEC 61508/62061
- Compact and robust IP65 housing
- Finger, hand or body detection with protection heights from 150 mm to 1800 mm
- OSSD outputs
- Standard M12 plug for fast and easy connection





SAFETY LIGHT CURTAINS



Finger protection

Hand protection

Body protection

Protective height	150 mm	BLG000A	BLG000T	
	300 mm	BLG000C	BLG000U	
	450 mm	BLG000E	BLG000W	
	515 mm			BLG0006
	600 mm	BLG000F	BLG000Y	
	750 mm	BLG000H	BLG000Z	
	815 mm			BLG0007
	900 mm	BLG000J	BLG0010	
	915 mm			BLG0008
	1050 mm	BLG000K	BLG0011	
	1200 mm	BLG000L	BLG0012	
	1215 mm			BLG0009
	1350 mm	BLG000R	BLG0013	
	1500 mm	BLG000M	BLG0014	
	1650 mm	BLG000N	BLG0015	
	1800 mm	BLG000P	BLG0016	
Range	< 6 m	< 19 m	< 50 m	
Response time	11...50 ms	9...28 ms	14...16 ms	
Resolution	14 mm	30 mm	> 315 mm	
Switching output	OSSD	OSSD	OSSD	
PL (EN ISO 13849-1)/SIL CL (EN/IEC 62061)	PLe/SIL CL 3	PLe/SIL CL 3	PLe/SIL CL 3	
Connection	Emitter/Receiver	M12 male, 4-pin/M12 male, 5-pin	M12 male, 4-pin/M12 male, 5-pin	M12 male, 4-pin/M12 male, 5-pin

CONNECTORS



	BCC09MU	BCC05LU	BCC05NY
	BCC0F58	BCC05LY	BCC05P0
		BCC05M1	BCC05P2
		BCC05M3	BCC085U
Description	Tee	2 m TPE cable	2 m TPE cable
Connection Head 1	M12 female, 5-pin	M12 female, straight, 4-pin	M12 female, straight, 4-pin
Head 2	M12 female, 5-pin	M12 female, right-angle, 4-pin	M12 female, right-angle, 4-pin
Head 3	M12 male, 5-pin		

ACCESSORIES



	BAM02NE	BAE00WJ	BAM02P9
	BAM02NF		BAM02PA
	BAM02NH		
	BAM02NJ		
	BAM02NK		
Description	Floor stand	Laser module	Test rod