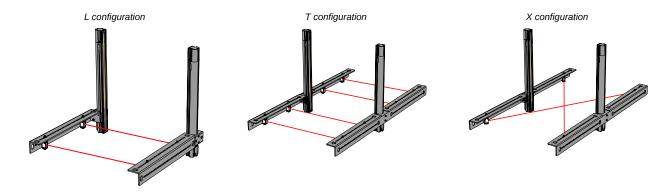


Create an S4B Muting Solution

This document assists with creating a bill of materials for an S4B muting system. Refer to the S4B brochure or bundle builder for selecting the light curtain pair and accessories.

Follow these steps to create a turn-key muting solution for your S4B Safety Light Curtain.

Note that EZ-SCREEN S4B Mute Arm Sensor Kits do not require additional mounting brackets and can be mounted directly to a flat surface.

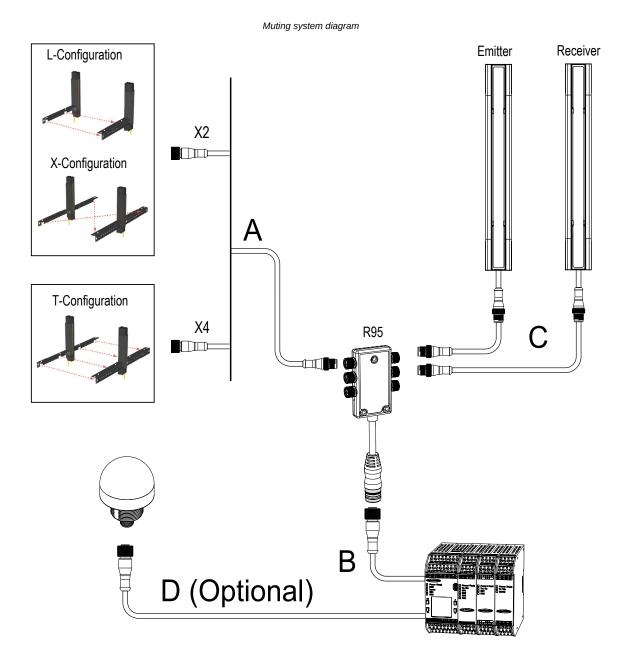


- 1. Select and order one of the following LPQ20 Mute Arm Sensor Kits.
 - L Configuration: S4BA-ML-LPQ20 (can be used as a right or left mute arm kit)
 - T Configuration: S4BA-MT-LPQ20
 X Configuration: S4BA-MX-LPQ20

Sensor Kits include one sensor arm, Q20-2 sensors (two for L and X, four for T), one reflector arm with reflectors installed on the arm (two for L and X, four for T), and mounting hardware.

- Order the appropriate extension cable(s). Order 5-pin cables to connect the S4B or mute sensors to an R95 Molded Junction Box (R95-6M125-M128-S4BM). Order 8-pin cables to connect the R95 to the safety controller. See "Accessories for the Mute Arm Sensor Kit" on page 2.
 - To connect the LPQ20 Mute Arm Sensor Kits to the R95 Molded Junction Box, order cordset (A) model BC-M12F5-M12M5-22-X where X is length in meters. Two cordsets are required for the L and X configurations, and four cordsets are required for the T configuration.
 - Order the cordset to connect the Safety Controller to the R95 Molded Junction Box (B), cordset model BC-M12F8-24-X where X is length in meters.
 - (Optional cordset) BC-M12F8-M12F8-24-X where X is the length in meters. This cordset can be used as an extension cordset extending the BC-M12F8-24-X cordset to the R95-6M125-M128-S4BM if needed.
 - The cordset (C) to connect the S4B Emitter and Receiver to the R95 Junction Block is model BC-M12F5-M12M5-22-X where X is the length in meters.
- 3. Optional step: Order a mute light and cable.
 - Select a mute light from "EZ-LIGHT® Mute Lights" on page 4. These must be wired directly to the Safety Controller or PLC.
 - Select a mute light cable (D) to connect the mute light to the safety controller or PLC, for example model BC-M12F5-22-X
 where X is the length in meters.
- 4. Order a Banner SC/XS Safety Controller. See "Safety Controllers" on page 4.

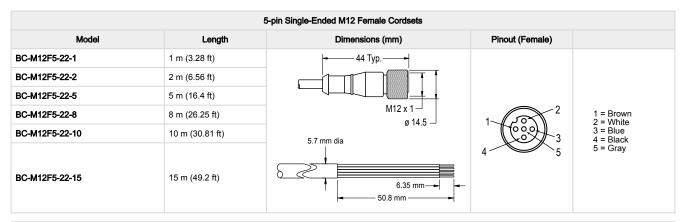




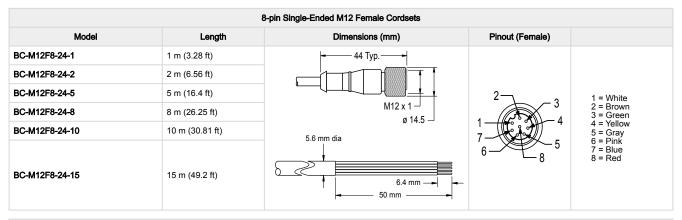
Accessories

Accessories for the Mute Arm Sensor Kit

Model	Description	
R95-6M125-M128-S4BM	Muting connection box	
S4BA-Q20-2VPLP-Q5	Q20-2 retroreflective mute sensor with 600 mm cable and M12 quick disconnect connector	
BRT-2x2	Retroreflective target (reflector) for use with mute sensor	



5-pin A-Code Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Dimensions (mm)	Pinouts	
BC-M12F5-M12M5-22-1	1 m (3.28 ft)		Female	
BC-M12F5-M12M5-22-2	2 m (6.56 ft)		1 2	
BC-M12F5-M12M5-22-5	5 m (16.4 ft)		3	
BC-M12F5-M12M5-22-8	8 m (26.25 ft)	M12 x 1	4 5	1 = Brown 2 = White
BC-M12F5-M12M5-22-10	10 m (30.81 ft)	44 Typ	Male	3 = Blue 4 = Black
BC-M12F5-M12M5-22-15	15 m (49.2 ft)	[1.73] M12.x1 e 14.5 [0.57] 2 4 5	2 4 5	5 = Gray



8-pin Double-Ended M12 Female to M12 Male Cordsets				
Model	Length	Dimensions (mm)	Pinouts (Female)	Pinouts (Male)
BC-M12F8-M12M8-24-1	1 m (3.28 ft)	40 Typ. M12 x 1 9 14.5	2 1 7 6 8 3 4 7 6	2 3 4 8 5
BC-M12F8-M12M8-24-2	2 m (6.56 ft)			
BC-M12F8-M12M8-24-5	5 m (16.4 ft)			
BC-M12F8-M12M8-24-8	8 m (26.25 ft)		1 = White 2 = Brown 3 = Green 4 = Yellow	5 = Gray 6 = Pink 7 = Blue 8 = Red
BC-M12F8-M12M8-24-10	10 m (30.81 ft)			
BC-M12F8-M12M8-24-15	15 m (49.2 ft)			

EZ-LIGHT® Mute Lights

Models	Construction	Connection/ Recommended Cordset	LED Function
	Bases and Covers: ABS	DEE2R-5XXXD (where XXX is the length in feet)	White
TL50WQ TL50YQ	 Light Seg.: Polycarbonate 30 mm base mount IP67 Indicates Mute Status 		Yellow
K50LWXXPQ K50LYXXPQ	 Polycarbonate housing, 50 mm thermoplastic dome, 30 mm base mount Fully encapsulated, IP67 Indicates Mute Status 		White
			Yellow

See "Accessories for the Mute Arm Sensor Kit" on page 2 for cordset information.

Safety Controllers

Safety Controllers provide a fully configurable, software-based safety logic solution for monitoring safety and non-safety devices.

For additional models and XS26 expansion modules, see instruction manual p/n 174868.

Safety controller models

Non-Expandable Models	Expandable Models	Description
SC26-2	XS26-2	26 convertible I/O and 2 redundant solid-state safety outputs
SC26-2d	XS26-2d	26 convertible I/O and 2 redundant solid-state safety outputs with display
SC26-2e	XS26-2e	26 convertible I/O and 2 redundant solid-state safety outputs with Ethernet
SC26-2de	XS26-2de	26 convertible I/O and 2 redundant solid-state safety outputs with display and Ethernet
SC10-2roe		10 inputs, 2 redundant relay safety outputs (3 contacts each) (ISD and Ethernet compatible)
	XS26-ISDd	26 inputs, 2 redundant solid-state safety outputs with display, Ethernet, and 8 ISD channels

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