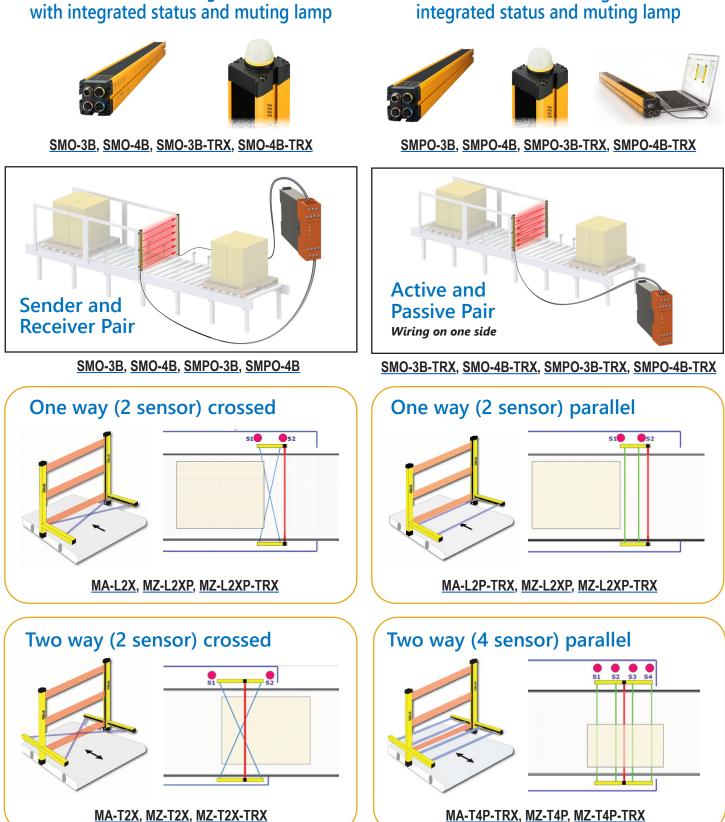
Hardware or software configuration with

1-800-633-0405 **ReeR Safegate Light Curtains – Body Protection**

Safegate Type 4 access control barriers provide the ideal solution for protection in a wide range of high-risk industrial applications, in particular those requiring a high level of integration of the muting functions. Safegate greatly simplifies seamless integration of muting sensors with light curtain access control barriers



MA-T2X, MZ-T2X, MZ-T2X-TRX

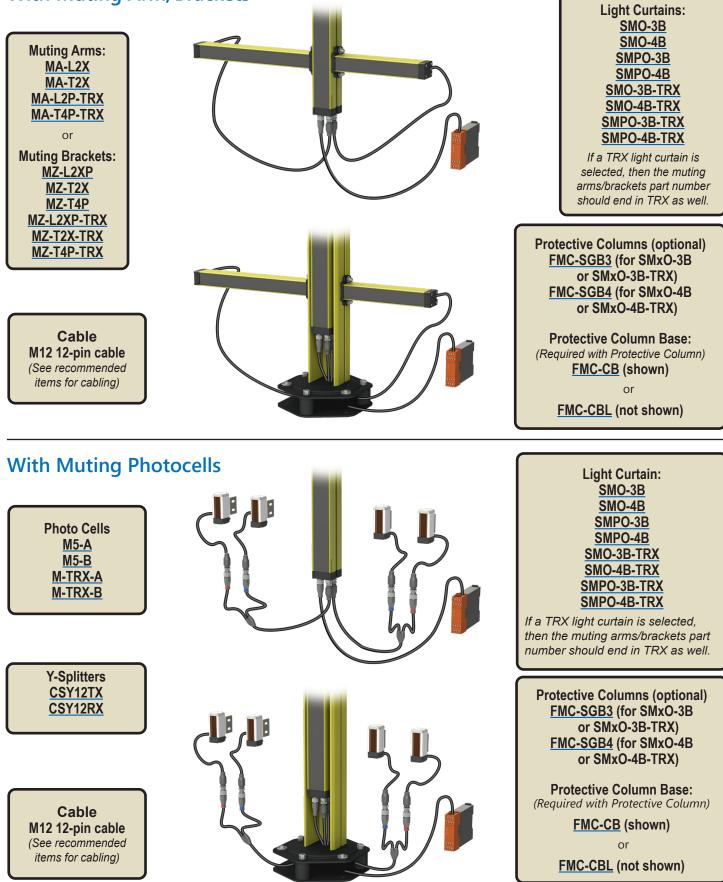
Hardware configuration

www.automationdirect.com

For the latest prices, please check AutomationDirect.com.

1-800-633-0405 **ReeR Safegate Light Curtains – Body Protection**

With Muting Arm/Brackets



www.automationdirect.com

For the latest prices, please check AutomationDirect.com.

1-800-633-0405 **ReeR Muting and Automation Photocells**

ReeR Muting and Automation Photocells – Selection Chart							
Part Number	Price	Number of Beams	Sensing Range	Coding	Dimensional Drawing		
	Emitter/Receiver Versions						
<u>M5-A</u>	\$165.00	5	0 to 3.5 m [0 to 11.48 ft]	А	PDF		
<u>M5-B</u>	\$162.00	5	0 to 3.5 m [0 to 11.48 ft]	В	PDF		
	Reflector Versions						
<u>M-TRX-A</u>	\$120.00	1	0 to 5 m [0 to 16.40 ft]*	А	PDF		
<u>M-TRX-B</u>	\$122.00	1	0 to 5 m [0 to 16.40 ft]*	В	PDF		

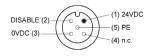


<u>M5-A / M5-B</u>

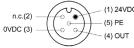
* Dependent on type of reflector used (see specifications below)

	ReeR Muting and Automation Photocells – Specifications					
Model		Micron M5 Emitter	Micron M5 Receiver	<u>M-TRX-A</u> / <u>M-TRX-B</u>		
Power Supply						
Power Consumption at 24	VDC	1\	N	0.2 W		
Number of Beams		5	5	1		
				0 to 2.5 m [0 to 8.20 ft] with C3F10 reflector		
Working Range		0-3.5 m [0	to 11.48 ft]	0 to 3.5 m [0 to 11.48 ft] with C3F8 reflector		
			0 to 3 m [0 to 9.84 ft] with CD8 reflector			
Beams Pitch		10mm [0.39 in]	NA		
Immunity to Ambient Light		>10,000	NA			
Emission Angle		±5°	±5°	±5°		
Emission Wavelength		940nm (moduated infrared)	_	660nm (moduated red)		
Response Time		<10ms	<10ms	65ms		
Output		-	PNP 100maA max / dark-on	PNP 100maA max / dark-on		
Connections		Pigtail 90cm [2.95 ft] with M12 5 pin connector	Pigtail 90cm [2.95 ft] with M12 5 pin connector	Pigtail 90cm [2.95 ft] with M12 5 pin connector		
MTTFd		414.02 years	414.02 years	1759.31 years		
Operating Temperature		-30 to +55°C [-22 to 131°F] (with no condensation)	-30 to +55°C [-22 to 131°F] (with no condensation)	-30 to +55°C [-22 to 131°F] (with no condensation)		
Protection Degree		IP65	IP65	IP65		
	Width	28mm [1.10 in]	28mm [1.10 in]	28mm [1.10 in]		
Dimensions	Depth	30mm [1.18 in]	30mm [1.18 in]	30mm [1.18 in]		
	Height	70mm [2.76 in]	70mm [2.76 in]	70mm [2.76 in]		

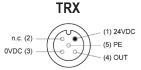
Emitter



Receiver



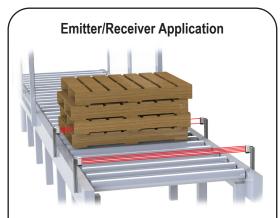
n n (2)	(1) 24VDC
n.c.(2) VDC (3)	(() 9 (5) PE
¥DO (0) *	(4) OUT
	\bigcirc



	M5 Emitter				
Pin	Pin Color Signal Description				
1	Brown	24VDC	24VDC power supply		
2	White	DISABLE	0VDC=ENABLE 24VDC=DISABLE		
3	Blue	0VDC	0VDC power supply		
4	Black	NA	Not connected		
5	Gray	PE	Ground connection		

	M5 Receiver				
Pin	Pin Color Signal Description				
1	Brown	24VDC	24VD0	C power supply	
2	White	NA	Not connected		
3	Blue	0VDC	0VDC power supply		
4	Black	OUT	0VDC=Area Free	24VDC=Area Obstructed	
5	Gray	PE	Ground connection		

	M TRX				
Pin	Color	Signal	De	escription	
1	Brown	24VDC	24VD0	C power supply	
2	White	NA	Not connected		
3	Blue	0VDC	0VDC power supply		
4	Black	OUT	0VDC=Area Free	24VDC=Area Obstructed	
5	Gray	PE	Ground connection		



M5 photocells have five beams that are sent out by the emitter. If any one of the five beams is blocked, then the receiver's status signal will change to signify that there is an object in front of the photocell. This is particularly useful when there is a need to detect irregularly shaped items.

1-800-633-0405 **ReeR Safegate Light Curtain Accessories**

Safegate Light Curtains Accessories Overview					
Part Number	Price	Description	Use With	Dimensional Drawing	
		Reflectors			
<u>C3F10</u>	\$15.00	ReeR reflector, rectangular, 30 x 116 mm [1.18 x 4.57 in].	M-TRX-A or M-TRX-B	PDF	
<u>C3F8</u>	\$26.50	ReeR reflector, rectangular, 30 x 78 mm, [1.18 x 3.07 in] with bracket.	M-TRX-A or M-TRX-B	PDF	
<u>CD8</u>	\$14.50	ReeR reflector, round, 84mm [3.31 in].	M-TRX-A or M-TRX-B	PDF	
		Mounting Brackets			
<u>SFB-4SG</u>	\$57.00	ReeR mounting bracket, replacement, standard, zinc plated steel. Package of 4. Mounting hardware included.	ReeR Safegate Light Curtains	PDF	
<u>SFB-6SG</u>	\$85.00	ReeR mounting bracket, replacement, standard, zinc plated steel. Package of 6. Mounting hardware included.	ReeR Safegate Light Curtains	PDF	
		Cables			
<u>CS12USB</u>	\$45.00	ReeR programming cable, USB Type A male to 5-pin M12 quick-disconnect, 5-pole, PVC jacket, black, 6.5 ft [2m] cable length.	SMPO models	NA	
<u>CSY12RX</u>	\$53.00	ReeR muting receiver cable, 5-pin M12 quick-disconnect to (2) 5-pin M12 quick-disconnects, 5-pole, 24 VDC, PVC jacket, black, 1.3 ft [400mm] cable length, IP67.	ReeR Safegate Light Curtains	NA	
<u>CSY12TX</u>	\$53.00	ReeR muting emitter cable, 5-pin M12 quick-disconnect to (2) 5-pin M12 quick-disconnects, 5-pole, 24 VDC, PVC jacket, black, 1.3ft [400mm] cable length, IP67.	ReeR Safegate Light Curtians	NA	



C3F10



C3F8



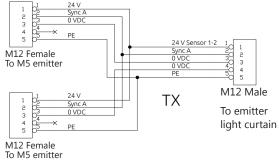
SFB-4SG / SFB-6SG

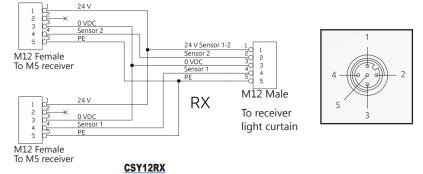
CS12USB



When four M5 muting sensors are installed with a ReeR Safegate light curtain, CSY12TX and CSY12RX Y-splitters will be required.

Pinouts





CSY12TX