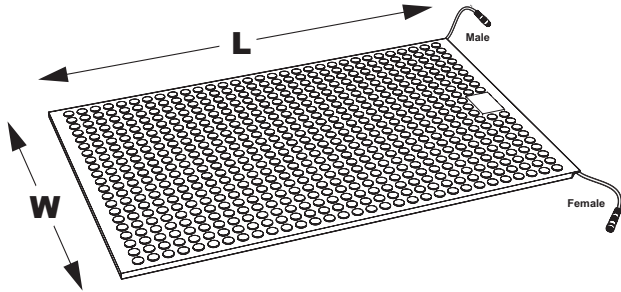


ASO Safety Solutions

SENTIR Straight Edge Safety Contact Mats

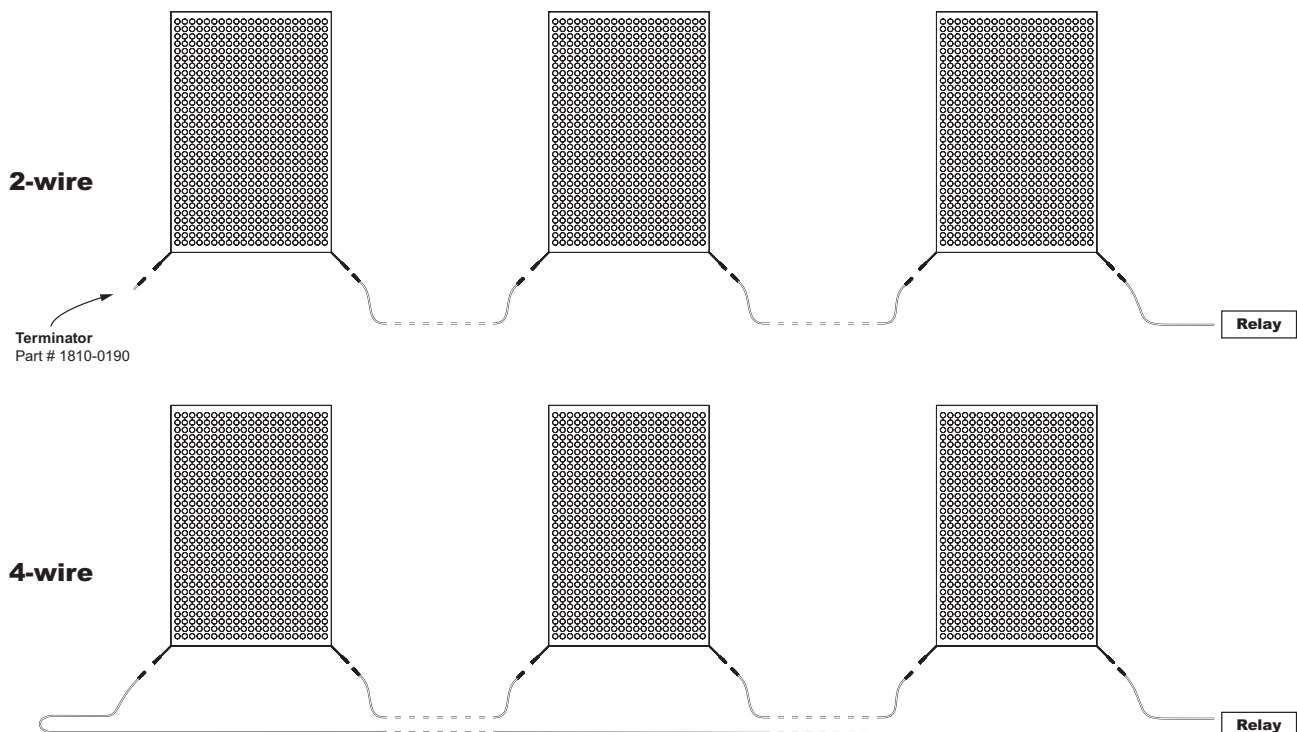
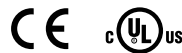
SENTIR safety contact mats are laminar sections which are used to safeguard dangerous areas in industrial and production automation settings. Stepping on the mat triggers an immediate “stop” signal in order to prevent endangering movements.

SENTIR Straight Edge mats are designed with flexibility in mind. Two quick disconnect ends allow for easy single or multi-mat wiring in either 4-wire or 2-wire circuits with optional terminating resistor. The straight edge allows butting of additional mats and use of optional metal trim kits for securing to floor.



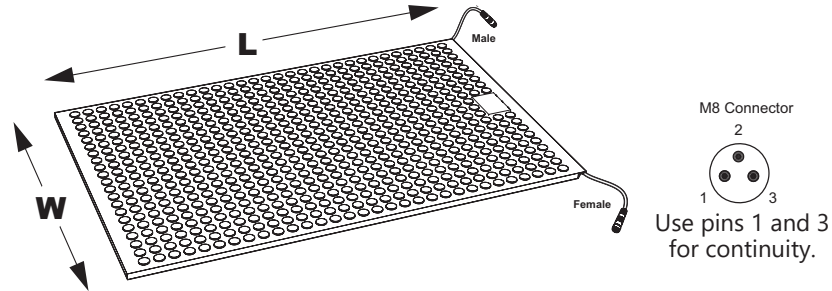
Features

- Straight edge ideal for trim kits and multi-mat configurations
- Ideal for 2-wire circuits with optional terminating resistor
- Can wire in 2 or 4-wire circuits
- Male and Female quick disconnect
- Anti-slip surface
- Standard sizes available
- Resistant against most contaminants and moisture up to IP65



ASO Safety Solutions

SENTIR Straight Edge Safety Contact Mats



1602-410X

ASO Safety Solutions Contact Mats - Straight Edge Style						
Part Number	Price	Width (W)	Length (L)	Operating Voltage	Cable Length	Connection Cables
1602-4100		24in [609.6 mm]	36in [914.4 mm]	24VDC, 100mA	There are two cables, each are 4.7 inches [120mm] in length	One cable has a 3-pin male M8 connector and the other cable has a 3-pin female M8 connector
1602-4101		24in [609.6 mm]	48in [1219.2 mm]			
1602-4102		24in [609.6 mm]	60in [1524.0 mm]			
1602-4103		36in [914.4 mm]	36in [914.4 mm]			
1602-4104		36in [914.4 mm]	48in [1219.2 mm]			
1602-4105		36in [914.4 mm]	60in [1524.0 mm]			



1810-0190

ASO Safety Solutions Terminating Resistors				
Part Number	Price	Description	Use With	Contents
1810-0190		Terminating resistor, 8.2 k ohm, 3-pin male M8 connector	Safety contact mats and bumpers	1 resistor



2010-0080

ASO Safety Contact Mat Trim Kits and Corners					
Part Number	Price	Description	Material	Use With	Contents
2010-0080		Trim kit	Aluminum	24 x 36 in safety mats	4 trim corners and 4 mat trim pieces
2010-0081		Trim kit	Aluminum	24 x 48 in safety mats	4 trim corners and 4 mat trim pieces
2010-0082		Trim kit	Aluminum	24 x 60 in safety mats	4 trim corners and 4 mat trim pieces
2010-0083		Trim kit	Aluminum	36 x 36 in safety mats	4 trim corners and 4 mat trim pieces
2010-0084		Trim kit	Aluminum	36 x 48 in safety mats	4 trim corners and 4 mat trim pieces
2010-0085		Trim kit	Aluminum	36 x 60 in safety mats	4 trim corners and 4 mat trim pieces
2010-0086		Mat trim	Aluminum	Safety contact mats	1 mat trim, 5ft [1,524mm] length
2010-0087		Trim corner	Polyamide	Safety contact mats	1 corner



2010-0086



2010-0087

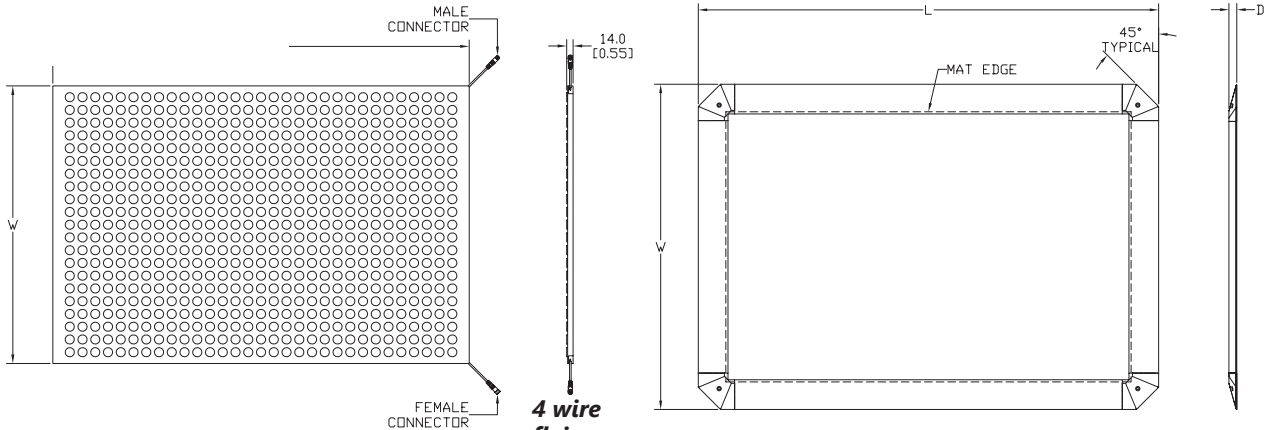
Straight Edge Safety Contact Mats	
	General Specifications
Height	14mm [0.55 in] with covering
Material	Polyurethane
Weight	24.9 Kg/m2 [1.5 lb/ft2]
Switching Pressure	Test piece Ø 80mm [3.15 in] = approximately 150N
Inactive Edge	16mm [0.63 in]
Static Load	Max. 2,000N on Ø 80mm [3.15 in], tested according to DIN EN ISO 13856-1
Response Time	< 25ms, tested according to DIN EN ISO 13856-1
Electrical Capacity	24VDC, 100mA
Mechanical Life	>1,000,000 cycles
Protection Class	IP65
Temperature Range	-10° to +55°C [+14° to +131°F]
Agency Approvals	CE, cULus file E329422

ASO Safety Solutions

SENTIR Straight Edge Safety Contact Mats

Dimensions

mm [in]



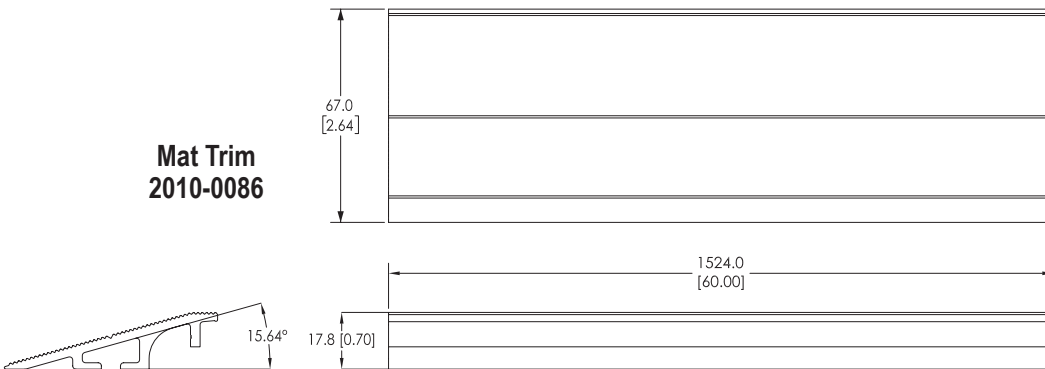
PART INFORMATION			
PART NO.	W	L	DEPTH
1602-4100		914.4 [36.00]	14.0 [0.55]
1602-4101	609.6 [24.00]	1219.2 [48.00]	
1602-4102		1524.0 [60.00]	
1602-4103		914.4 [36.00]	
1602-4104	914.4 [36.00]	1219.2 [48.00]	
1602-4105		1524.0 [60.00]	

Contact Mats - Straight Edge
1602-41XX

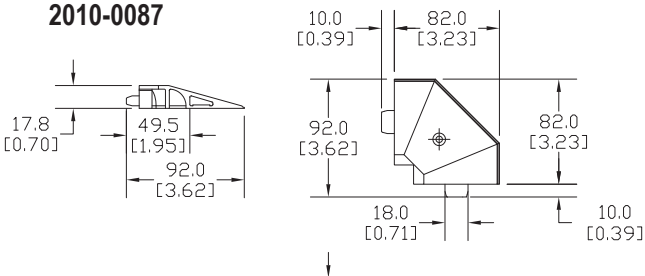
PART INFORMATION			
PART NO.	W	L	D
2010-0080		1038.3 [40.88]	17.8 [0.70]
2010-0081	733.5 [28.88]	1343.1 [52.88]	
2010-0082		1647.9 [64.88]	
2010-0083		1038.3 [40.88]	
2010-0084	1038.3 [40.88]	1343.1 [52.88]	
2010-0085		1647.9 [64.88]	

Trim Kits
2010-008X

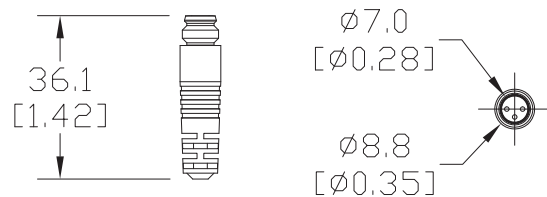
Mat Trim
2010-0086



Trim Corner
2010-0087



Terminating Resistor
1810-0190



Safety Products



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.