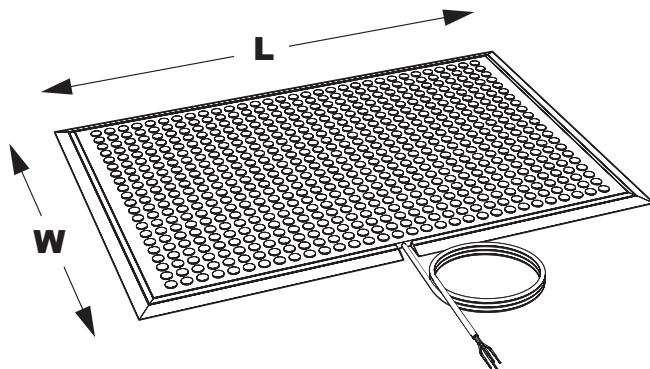


# ASO Safety Solutions

## SENTIR Tapered Edge Safety Contact Mats



Use wire leads  
brown and blue (1 & 3) for continuity  
and  
white and black (2 & 4) for continuity.  
(See safety relay for wiring)

SENTIR safety contact mats are rectangular 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 tapered mats have an integrated taper profile ideal for placement without requiring additional edging. A single 6m cable is included to allow direct connection in a 4-wire circuit.

### Features

- Low height of just 14mm [0.55 in]
- Built-in ramp for flexible mounting and mat configurations
- 6m cable ideal for 4-wire circuits
- Anti-slip surface
- Tested to more than 6 million activations
- Standard sizes available
- Available in black and yellow
- Resistant to most contaminants and moisture up to IP65



| ASO Safety Solutions Contact Mats - Tapered Edge Style |          |                 |                  |           |              |                     |
|--------------------------------------------------------|----------|-----------------|------------------|-----------|--------------|---------------------|
| Part Number                                            | Price    | Width (W)       | Length (L)       | Mat Color | Cable Length | Drawing             |
| <a href="#">1602-4096</a>                              | \$219.00 | 12in [304.8 mm] | 24in [609.6 mm]  | Black     | 19.6 ft [6m] | <a href="#">PDF</a> |
| <a href="#">1602-4097</a>                              | \$280.00 | 12in [304.8 mm] | 36in [914.4 mm]  |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4560</a>                              | \$359.00 | 24in [609.6 mm] | 24in [609.6 mm]  |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4090</a>                              | \$391.00 | 24in [609.6 mm] | 36in [914.4 mm]  |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4091</a>                              | \$480.00 | 24in [609.6 mm] | 48in [1219.2 mm] |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4092</a>                              | \$645.00 | 24in [609.6 mm] | 60in [1524.0 mm] |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4093</a>                              | \$589.00 | 36in [914.4 mm] | 36in [914.4 mm]  |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4094</a>                              | \$696.00 | 36in [914.4 mm] | 48in [1219.2 mm] |           |              | <a href="#">PDF</a> |
| <a href="#">1602-4095</a>                              | \$883.00 | 36in [914.4 mm] | 60in [1524.0 mm] |           |              | <a href="#">PDF</a> |
| <a href="#">1602-5380</a>                              | \$504.00 | 24in [609.6 mm] | 36in [914.4 mm]  | Yellow    |              | <a href="#">PDF</a> |
| <a href="#">1602-5381</a>                              | \$638.00 | 24in [609.6 mm] | 48in [1219.2 mm] |           |              | <a href="#">PDF</a> |

| Tapered Edge Safety Contact Mats |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
|                                  | General Specifications                                                  |
| Height                           | 14mm [0.55 in] with covering                                            |
| Material                         | Polyurethane                                                            |
| Weight                           | 26 kg/m <sup>2</sup> [5.3 lb/ft <sup>2</sup> ]                          |
| Switching Pressure               | Test piece Ø 80mm [3.15 in] = approximately 150N                        |
| Inactive Edge                    | 16mm [0.63 in] (not including the tapered edge)                         |
| 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                                                            |
| Connection Cables                | 19.6 ft [6m] pigtail cable                                              |
| 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                                                  |

# 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.*