



# CKP/S1 Mats

## Information Sheet



### Features

- Custom shapes & sizes
- Durable construction
- Chemical & abrasion resistant
- Non-slip corrugated surface
- Low pressure actuation
- Dri-run cable
- No special floor preparation
- Rugged abrasion resistant design

CKP/S1 safety mat systems are designed to protect operators working at or near dangerous machinery. They will also withstand incidental vehicle traffic.

Field tested for over 20 years, the mat surface material is both weather and abrasion resistant and has an excellent record in the machine tool and automation industry.

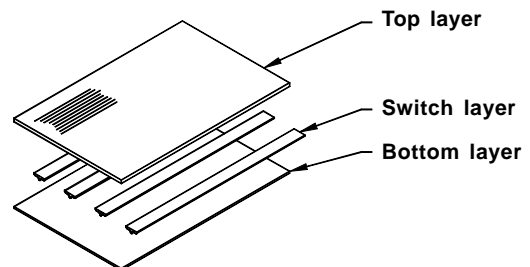
A system consists of a mat sensor and a PSSU-style control unit. The CKP mat has a heavy-duty construction and comprises an array of Tapeswitch ribbon switches sandwiched between two layers of durable PVC material. When a person stands on the mat one or more of the switches is operated and a stop signal is transmitted to the machine control system.

CKP mats can also be used in non-safety applications where a floor sensor is preferred. We can incorporate colours, custom-shapes, -sizes, -sensitivities, and multi-zone detection.

### Technical specification

<b>Colour</b>	Black (standard), others on request
<b>Housing material</b>	Koroseal
<b>Actuation force</b>	<300N (30kg) (80mmø test piece)
<b>Maximum length</b>	2.4m
<b>Maximum width</b>	1.2m
<b>Depth</b>	approx. 13mm
<b>Inactive area</b>	30mm wide around outer edge
<b>Response time</b>	30ms (DIN 31006-1)
<b>Protection rating</b>	IP65
<b>Operating temperature</b>	0°C to +50°C
<b>Weight</b>	approx. 16kg/m <sup>2</sup>
<b>Static load</b>	75kg/cm <sup>2</sup>
<b>Operating voltage</b>	24Vdc
<b>Power consumption</b>	6VA
<b>Switching current @ 24Vdc</b>	1A

### Construction



### Typical Applications

- Machinery Safety
- Interactive  
*Play Zones*  
*Theme Parks*  
*Advertising*
- Access Control  
*Banks*  
*Intruder Alert*  
*Transport Doors*

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