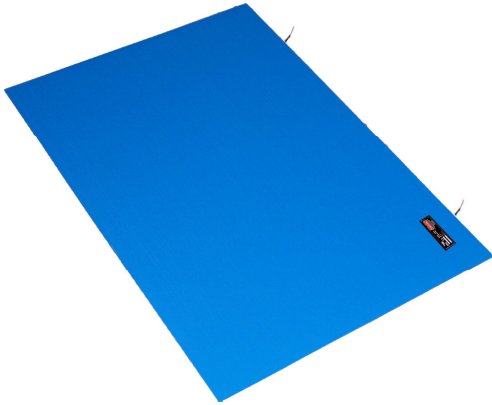




CKP/IM Mat



Features

- Custom shapes & sizes
- Non-slip corrugated surface
- Fixed with AE-13 aluminium edging
- Fail-safe operation
- Chemical & abrasion resistant

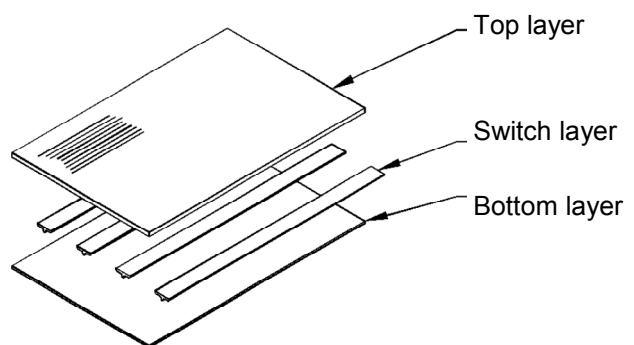
CKP/IM mats are designed to be used, together with the PRIM control unit, as part of a presence-sensing interlock system to ensure that a machine is not allowed to run unless someone is standing on the mat. The CKP/IM mat can be used as a secondary safety device but **must not** be used as the primary means of safety. The system functions in the opposite sense from normal safety mats, i.e. the control unit output relays are only closed (allowing the machine to run) when someone is on the mat, rather than opening (stopping the machine) when someone steps on the mat. To make this difference obvious the mats are only available with a blue top surface. The mat is fixed into place using our AE-13 aluminium edging, providing an anti-trip edge and also securing the mat in the correct position, preventing the operator from moving the mat.

A system consists of the CKP/IM mat sensor and a control unit. This provides fail-safe monitoring of the mat to EN13849, performance level c. The CKP/IM mat has a heavy-duty construction and comprises an array of Tapeswitch ribbon switches sandwiched between two layers of durable PVC material.

Technical Specification

| | |
|-----------------------|---------------------------------|
| Colour | Blue |
| Housing Material | Koroseal |
| Dimensions | On request |
| Depth | Approx. 13mm |
| Actuation force | >300n (30kg) (80mmø test piece) |
| Response time | 30ms |
| Inactive area | 30mm around outer edge |
| Protection rating | IP65 |
| Weight | Approx. 16kg/m ² |
| Operating temperature | 0°C to +50°C |
| Operating voltage | 24V d.c. |
| Operating current | 1A |
| Power consumption | 6VA |

Construction



Typical Applications:

- Secondary machinery- safety
- Process/production monitoring

GB0318

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