

CKP/IM Mat Information Sheet



Features

- Custom shapes & sizes
- Choice of blue, black or yellow
- Non-slip corrugated surface
- Fixed with AE-13 aluminium edging
- Fail-safe operation
- Chemical & abrasion resistant

CKP/IM mats are designed to be used as part of a presence-sensing interlock system to ensure that a machine is not allowed to run unless the operator is standing on the mat. The CKP/IM mat can be used as a secondary safety device to prevent the operator approaching dangerous machinery. It can also be used to ensure that the machinery can only run when the operator is in a position to monitor it.

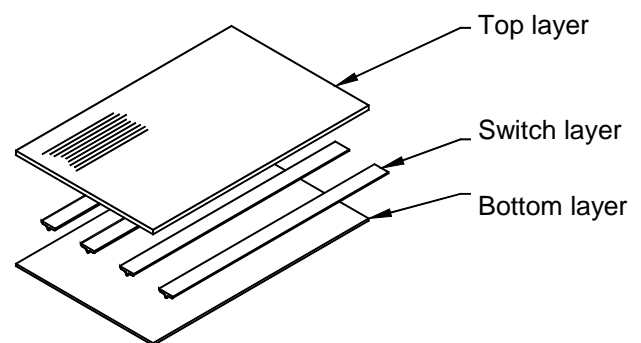
The mat can be manufactured in custom shapes and sizes with a non-slip corrugated or easy-clean euro dot top surface. The top surface material is both weather- and abrasion-resistant. The mat is fixed into place using our AE-13 aluminium edging, providing an anti-trip edge and also securing the mat in 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 d. 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	Black or yellow
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.