

Application

With help of the **electronic switching device FMSC-STM** safety contact mat and a Emergency-switch can be integrated into an existing machine in a fast and cost-effective way without modifying the existing safety circuits. To bypass the contact mat, a dead-man's switch could be integrated.

Scope of operation

- o Connection for:
 - 2 safety contact mat circuits
 - 1 dead-man's switch
 - Emergency stop switches
 - 1 reset switch
- o Optionally with or without restart interlock
- o Integration into existing safety circuits with help of monitored conductor or directly with semiconductor outputs
- o Diagnosis output for
 - Hardware error of monitored conductors

Scope of delivery

Electronic switching device FMSC-STM including integration proposal

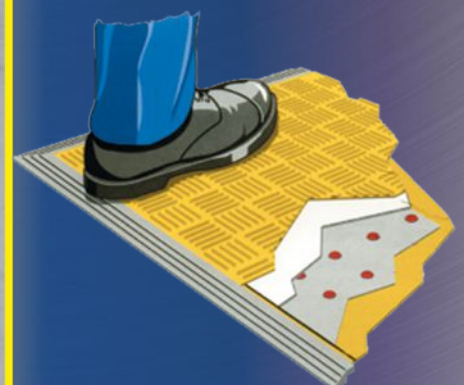
Product recommendation

Suitable safety contact mats can be found at

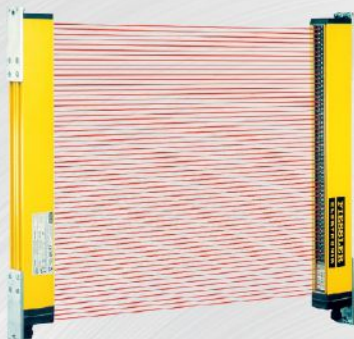
www.fiessler.de

FMSC-STM

safety contact mat retrofit



Innovative solutions



Safety light curtains

Type 4, SIL 3, PL e
high range up to 60 m
Very short response time as of 2 ms
Blanking and cascading

Type 2, SIL 1, PL c
Protective field height up to 2500 m
Finger and hand guard, entrance protection
Safety controller integrated



AKAS® press brake safety system

fully automatic adjustment after tool change
laser-optics safety light grid

innovative finger guard through continuous bending without stop

FMSC safety PLC

Emergency shutdown (fast shut down) max. 0.5 ms
Expandable with up to 16 expansion modules

Easiest programming
Cat 4, SIL 3, PL e

Safety contact mats

Type 3, SIL 2, PL d
Series connection of up to ten mats
Load capacity up to 2000N
single component casting also in several colors

individual sizes and shapes
Polyurethane, aluminum or Stainless steel surface
with integrally cast ramp rail available

Safety laser scanner

Cat 3, SIL 2, PL d
Protective field 4 m, range 7 m
Metering section 50 m range

Easy assembly
Warning field 15 m
Several programmable sections

Safety foot pedals

Single-pedal or double-pedal

Controlling, detecting and measuring

Measuring light curtains
Loop sensors
Directional counting light barriers

Hole detectors
Encoding strips