

FMSC-ESM

standstill monitor



Application

With the **FMSC-ESM electronic switching device**, an axis can be safely monitored for standstill.

Linear or incremental encoders can be used as sensors. Restart interlock and contactor monitoring can be deselected, allowing the device to be used very flexible.

An emergency stop circuit can be connected to the device.

The standstill monitor can be attached directly to the frequency inverter or via contactors.

Scope of operation

- o Connection of:
 - 2 standard TTL encoders (linear or incremental)
 - Emergency-stop circuit
 - 1 acknowledgement button
 - Brake for stopping in the event of a fault
- o Optionally with or without restart interlock
- o Optionally with or without contactor monitoring
- o Integration in safety circuit by means of relays or directly via electronic outputs
- o Diagnostic output for
 - relay monitoring error
 - Encoder Deviations

Scope of delivery

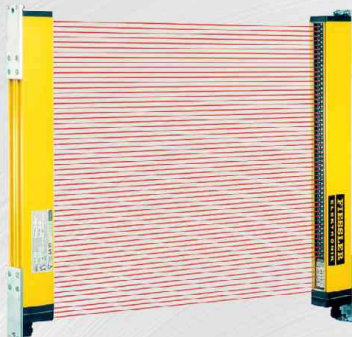
Electronic switching device FMSC-ESM including integration proposal

Information

For more information, see

www.fiessler.de

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