Foot switches
Safety foot switches

## FIESSLER

## ELEKTRONIK



## Our vision:

We protect people from accidents and have convincing high quality innovative, user-friendly safety solutions for the customers and are always willing to provide the customer with help and advice.

Company description


## Our passion:

Fiessler Elektronik has been producing optoelectronic components for the industry since 1956. The resulting development and production of the first fully electronic safety light curtain and safety light grid on the basis of the transmitter-receiver principle began in 1965 .

Nearly 30 years later in 1996, Fiessler Elektronik was the first manufacturer worldwide to introduce the groundbreaking innovation of a specially coupled motion safety solution for blanking pressed (AKAS®).

In 2005, Fiessler Elektronik completed its solution for blanking pressed with its programmable FPSC safety control.

Permanent product care and new developments in dialogue with our customers is what guarantees perfect solutions and high quality products. Certifications, quality monitoring and prototype tests in accordance with worldwide standards are a matter of course for Fiessler Elektronik.

## Servic

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## Service - worldwide

Fiessler Elektronik serves customers in all industrial regions of the world. The service network of Fiessler Elektronik is available in more than 30 countries.

These support points provide effective supervision to machine manufacturers as well as end users.

Branches

## FIESSLER

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## Foot switches \&

 Safety foot switches
## Quality made by Fiessler

Fiessler foot switches and safety foot switches are developed and produced exclusively in Germany. By using the highest quality materials, we guarantee the highest level of safety and extreme durability of our products.

Cable entry $1 \times \mathrm{M} 20 \times 1,5$ $2 \times$ PG 13,5

Metal hood

Optionally with a lever

Metal pedals

Mounting holes in the housing

Hood from above detachable

Optional with Locking and Release button

Metal hood

Pressure point $\min .200 \mathrm{~N}$

Redundant switch off

## Switching diagram

$\square$= Contact closed
= Contact open


## Conter

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## Standard foot switches

| Single pedal foot switches |
| :--- |
| FE-FS1-U1-U-XX |
| FE-FS1-SU1P10K-U-XX |
| Double pedal foot switches |
| FE-FS2-U1/U1-U-XX |
| Safety foOt SWItches |


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## Switching elements



## Foot switches

## FE-FS1-U1-U-XX

The foot switch FE-FS1-U1-U is equipped with a switching element, which contains one NC and one NO contact.
It may e.g. be used for the selection of AKAS $^{\circledR}$ Box bending function or opening of a press.

## Switching diagram



| Execution | 1-aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20x1,5 |
| Switching insert | 1 changeover contact, positive opening |
| Switching function | Changeover |
| Switching system | Creep mechanism |
| Order code | FE-FS1-U1-U-XX <br> $(X X=R D ~=~ c o v e r ~ f i r e ~ r e d ~ R A L ~ 3000) ~$ |
| $(X X=Y E=$ cover yellow RAL 1021) |  |

## Foot switches

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## FE-FS1-SU1P10K-U-XX

The foot switch FE-FS1-SU1P10-U is equipped with a change-over contact with potentiometer.
It may e.g. be used for continuous control tasks.

| Execution | 1-aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Switching current | max. 6 A. For inductive and capacitive loads, a contact <br> protection must be provided |
| Cable entry | M20x1,5 |
| Switching insert | 1 changeover contact, 1 potentiometer |
| Switching function | Changeover |
| Switching system | Jump mechanism |
| Potentiometer | $0-10 \mathrm{kOhm} \pm 3 \%, 0,5 \mathrm{~W}, 35 \mathrm{~mA}$ |
| Order code | FE-FS1-SU1P10KKU-XX <br> (XX $=$ RD $=$ cover fire red RAL 3000) |



## Switching elements



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## Switching elements

Left pedal


Right pedal


## Foot switches

## FE-FS2-U1/U1-U-XX

The foot switch FE-FS1-U1/U1-U is equipped with switching elements, which contains one NC and one NO contact.
It may e.g. be used for the selection of AKAS $^{\circledR}$ Box bending function or opening of a press.

## Switching diagram

Left pedal


Right pedal
$33-34$

$21-22$ | free position | pressed |
| :--- | :--- |
|  |  |
| $\square$ |  |
| $\square$ | $=$ Contact closed |
|  | $=$ Contact open |


| Execution | 2 aluminum foot switch heavy version free standing on slip elastic feet |
| :---: | :---: |
| General technical characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20x1,5 (middle), 2x PG13,5 |
| Switching  <br> insert left pedal <br> right pedal | 1 changeover contact, positive opening 1 changeover contact, positive opening |
| Switching <br> function left pedal <br> right pedal | Changeover Changeover |
| $\begin{array}{l}\text { Switching } \\ \text { system }\end{array}$ $\begin{array}{r}\text { left pedal } \\ \text { right pedal }\end{array}$ | Creep mechanism Creep mechanism |
| Order code | FE-FS2-U1/U1-U-XX ( $\mathrm{XX}=\mathrm{RD}=$ cover fire red RAL 3000 ) |

## Safety foot switche

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## FE-FS1-SU1ASDU1-U-XX

The foot switch FE-FS1-SU1ASDU1-U have 3 positions with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts $(1 \mathrm{NC}+1 \mathrm{NO})$ to drive the movement and one safety switches ( 1 positive opening NC contact +1 NO ) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram



| Execution | 1-aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20x1,5 |
| Switching insert | 1 changeover contact with tarnish, <br> after pressure point 1 changeover contact, positive opening |
| Switching function | Sequential circuit with pressure point |
| Pressure point | Min. 200 N operating force when use as intended |
| Switching system | Jump-/Creep mechanism |
| Order code | FE-FS1-SU1ASDU1-U-XX <br> (XX $=$ RD $=$ cover fire red RAL 3000 $)$ |

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## Switching elements



Pressure point
Tarnish


## FE-FS1-SU1ASDO2-U-XX

The foot switch FE-FS1-SU1ASDO2-U have 3 positions with a pressure point to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts ( 1 NO and 1 NC ) to drive the movement and one safety switches (2 positive opening NC contacts) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contacts are activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram



| Execution | 1-aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20 x1,5 |
| Switching insert | 1 changeover contact with tarnish, <br> after pressure point 2 NC contacts, positive opening |
| Switching function | Sequential circuit with pressure point |
| Pressure point | Min. 200 N operating force when used as intended |
| Switching system | Sprung-/Creep mechanism |
| Order code | FE-FS1-SU1ASDO2-U-XX <br> (XX $=$ RD $=$ cover fire red RAL 3000 ) |

## Safety foot switche

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Switching elements


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## Switching elements



## Safety foot switches

## FE-FS1-S2DO2V-U-XX

The foot switch FE-FS1-S2DO2V-U have 3 positions with a pressure point and a pedal lock with manual release, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts (2NO) to drive the movement and one safety switches (2 positive opening NC contacts) to stop the movement.
Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the positive opening safety contacts are activated in order to stop immediately the dangerous movement.

## Switching diagram



| Execution | 1-aluminum foot switch heavy version, Pedal lock with <br> manual release, free standing on slip elastic feet <br> see table on page 22 |
| :--- | :--- |
| General technical <br> characteristics | see page 23 |
| Dimensional drawings | M20x1,5 |
| Cable entry | 2 NO contacts, <br> after pressure point 2 NC contacts, positive opening |
| Switching insert | Sequential circuit with pressure point |
| Switching function | Min. 200 N operating force when use as intended |
| Pressure point | Jump-/ creep mechanism |
| Switching system | FE-FS1-S2DO2V-U-XX <br> (XX = RD = cover fire red RAL 3000) |
| Order code |  |

## Safety foot switche

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## FE-FS2-SU1ASDU1/U1-U-XX

The safety foot switch FE-FS2-SU1ASDU1/U1-U use safety switches. The right foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS ${ }^{\circledR}$ Box bending function or opening of a press. The left foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch ( 1 positive opening NC contact +1 NO ) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement.Thus a redundant information for the safety circuit is available. A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


Right pedal


$\left.$| Execution | 2 aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20×1,5 (middle), 2x PG13,5 |
| Switching <br> insert | left pedal | | 1 changeover contact with tarnish, after pressure point |
| :--- |
| 1 changeover contact, positive opening |
| changeover contact, positive opening | \right\rvert\,



## Switching elements

Left pedal


Pressure point Tarnish


## Right pedal



The contacts for the left and right pedal must be clearly identified during the circuit diagram creation!

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## Switching elements

Left pedal


Right pedal


The contacts for the left and right pedal must be clearly identified during the circuit diagram creation!

## FE-FS2-U1/SU1ASDU1-U-XX

The safety foot switch FE-FS2-U1/SU1ASDU1-U use safety switches. The left foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS ${ }^{\circledR}$ Box bending function or opening of a press. The right foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch (1 positive opening NC contact +1 NO ) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement.Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


Right pedal


| Execution | 2 aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20x1,5 (middle), 2x PG13,5 |
| Switching <br> insert | left pedal <br> right pedal |
| 1 changeover contact, positive opening <br> 1 <br> switching <br> changeover contact with tarnish, after pressure point <br> function$\quad$ right pedal |  |$\quad$| Sequential circuit with pressure point |
| :--- |

## Safety foot switche

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## FE-FS2-SU1ASDU1/SU1ASDU1-U-XX

The safety foot switch FE-FS2-SU1ASDU1/SU1ASDU1-U use safety switches. The two foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). Each pedal has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch (1 positive opening NC contact and 1 NO contact) to stop the movement.
Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


| Execution | 2 aluminum foot switch heavy version free standing on slip elastic feet |
| :---: | :---: |
| General technical characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | 1 x M20x1,5 (middle), $2 \times$ PG13,5 |
| Switching left pedal <br> insert right pedal | 1 changeover contact with tarnish, after pressure point 1 changeover contact, positive opening 1 changeover contact with tarnish, after pressure point 1 changeover contact, positive opening |
| Switching <br> function left pedal <br> right pedal | Sequential circuit with pressure point Sequential circuit with pressure point |
| Pressure point $\begin{array}{r}\text { left \& } \\ \text { right pedal }\end{array}$ | Min. 200 N operating force when used as intended |
| Switching left pedal <br> right pedal | Jump-/Creep mechanism Jump-/Creep mechanism |
| Order code | FE-FS2-SU1ASDU1/SU1ASDU1-U-XX ( $\mathrm{XX}=\mathrm{RD}=$ cover fire red RAL 3000 ) |



## Switching elements

Left pedal


Right pedal


Pressure point
Tarnish


The contacts for the left and right pedal must be clearly identified during the circuit
diagram creation!

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## Switching elements

Left pedal


Right pedal


The contacts for the left and right pedal must be clearly identified during the circuit diagram creation!

## FE-FS2-SU1ASDO2/U1-U-XX

The safety foot switch FE-FS2-SU1ASDO2/U1-U use safety switches. The right foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS $^{\circledR}$ Box bending function or opening of a press. The left foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch (2 positive opening NC contacts) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contacts are activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


Right pedal


| Execution | 2 aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |

## Safety foot switche

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## FE-FS2-U1/SU1ASDO2-U-XX

The safety foot switch FE-FS2-U1/SU1ASDO2-U use safety switches. The left foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS ${ }^{\circledR}$ Box bending function or opening of a press. The right foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch (2 positive opening NC contacts) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contacts are activated in order to stop immediately the dangerous movement.Thus a redundant information for the safety circuit is available. A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal

|  | free position | pressed | 13-14 | free position | Pressure point | pressed down |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23-24 |  |  |  |  |  |  |
| 11-12 |  |  | 21-22 |  |  |  |
| Contact closed |  |  | 31-32 |  |  |  |
| $\square$ | ontact open |  | 41-42 |  |  |  |


| Execution | 2 aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |



## Switching elements

Left pedal


Right pedal


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## Switching elements

Left pedal


Right pedal


## Pressure point

Tarnish


Safety side

$\square$The contacts for the left and right pedal must be clearly identified during the circuit diagram creation!

## FE-FS2-SU1ASDO2/SU1ASDO2-U-XX

The safety foot switch FE-FS2-SU1ASDO2/SU1ASDO2-U use safety switches. The two foot switches have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). Each pedal has 2 working contacts ( $1 \mathrm{NC}+1 \mathrm{NO}$ ) to drive the movement and one safety switch ( 2 positive opening NC contacts) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening contacts are activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available.
A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


Right pedal


| Execution | 2 aluminum foot switch heavy version <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |

## Safety foot switche

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## FE-FS2-U1/SU1ASDO2S-U-XX

The safety foot switch FE-FS2-U1/SU1ASDO2S-U use safety switches and a lever. The left foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS ${ }^{\circledR}$ Box bending function or opening of a press. The right foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts $(1 N C+1 N O)$ to drive the movement and one safety switch (1 positive opening NC contact +1 NO ) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contacts are activated in order to stop immediately the dangerous movement. Thus a redundant information for the safety circuit is available. A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal

|  | free position | pressed |
| :--- | :--- | :--- |
| $\mathbf{2 3 - 2 4}$ |  |  |
| $11-12$ |  |  |
|  |  |  |
| $\square=$ | Contact closed |  |
| $\square=$ | Contact open |  |

Right pedal


| Execution | 2 aluminum foot switch heavy version, with lever, <br> free standing on slip elastic feet |
| :--- | :--- |
| General technical <br> characteristics | see table on page 22 |



## Switching elements

Left pedal


Right pedal


Safety side

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## Switching elements

Left pedal


## Right pedal





The contacts for the left and right pedal must be clearly identified during the circuit diagram creation!

## Safety foot switches

## FE-FS2-U2/SU2ASDU1-U-XX

The safety foot switch FE-FS2-U2/SU2ASDU1-U use safety switches. The left foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS $^{\circledR}$ Box bending function or opening of a press. The right foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 4 working contacts ( $2 \mathrm{NC}+2 \mathrm{NO}$ ) to drive the movement and one safety switch ( 1 positive opening NC contact +1 NO ) to stop the movement. Pressing the foot switch, till the pressure point, allows the changeover of the 2 working contacts. Once the pressure point is got over, the 4 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement.Thus a redundant information for the safety circuit is available. A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal

$\square=$ Contact closed
= Contact open

Right pedal


| Execution | 2 aluminum foot switch heavy version free standing on slip elastic feet |
| :---: | :---: |
| General technical characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | 1x M20x1,5 (middle), 2x PG13,5 |
| Switching insert left pedal right pedal | 2 changeover contacts, positive open 2 changeover contacts with tarnish,after pressure point 1 changeover contact, positive opening |
| Switching right pedal function | Sequential circuit with pressure point |
| Pressure point right pedal | Min. 200 N operating force when used as intended |
| Switching <br> system left pedal <br> right pedal | Creep mechanism Jump-/Creep mechanism |
| Order code | $\begin{aligned} & \text { FE-FS2-U2/SU2ASDU1-U-XX } \\ & \text { (XX = RD = cover fire red RAL } 3000 \text { ) } \end{aligned}$ |

## Safety foot switche

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## FE-FS2-S2ASDO2/U1-U-XX

The safety foot switch FE-FS2-S2ASDO2/U1-U use safety switches. The right foot switch have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS ${ }^{\circledR}$ Box bending function or opening of a press. The left foot switch have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake etc.). It has 2 working contacts (2NO) to drive the movement and one safety switch (2 positive opening NC contact ) to stop the movement. Pressing the foot switch, till the pressure point, allows the switching of the 2 working contacts. Once the pressure point is got over, the 2 working contacts return to their first position and the positive opening safety contact is activated in order to stop immediately the dangerous movement.Thus a redundant information for the safety circuit is available. A restart of the machine is only possible after releasing the foot switch.

## Switching diagram

Left pedal


Right pedal


| Execution | 2 aluminum foot switch heavy version free standing on slip elastic feet |
| :---: | :---: |
| General technical characteristics | see table on page 22 |
| Dimensional drawings | see page 23 |
| Cable entry | M20x1,5 (middle), 2x PG13,5 |
| Switching left pedal <br> insert  | 2 NO contacts with tarnish, after pressure point, 2 NC contacts, positive opening <br> 1 changeover contact, positive opening |
| Switching left pedal function | Sequential circuit with pressure point |
| Pressure point left pedal | Min. 200 N operating force when used as intended |
| Switching <br> system left pedal <br> right pedal | Jump-/Creep mechanism Creep mechanism |
| Order code | FE-FS2-S2ASDO2/U1-U-XX <br> ( $\mathrm{XX}=\mathrm{RD}=$ cover fire red RAL 3000) |



## Switching elements

Left pedal


-     -         -             -                 -                     -                         -                             -                                 -                                     -                                         -                                             - Pressure point Tarnish


Right pedal


The contacts for the left and right pedal must be clearly identified during the circuit
diagram creation!

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# General technical data for all standard- and safety foot switches 

## Deviations see table on the product page

| Execution | aluminum foot switch, heavy version free standing on slip elastic feet |
| :---: | :---: |
| Switching current | $\max .10 \mathrm{~A}$. <br> For inductive and capacitive loads, a contact protection must be provided. |
| Operations | min. 10 Mio. |
| Contact material | Silver |
| Connection type | Screwterminal |
| Electrical connection | 0,5-1,5 mm ${ }^{2}$ |
| Housing | Die cast aluminum, powder-coated RAL 7021 (dark gray) |
| Pedal | Die cast aluminum, powder-coated RAL 7021 (dark gray) |
| Accident cover | Die cast aluminum, powder-coated |
| Attachment | For mounting of the foot switch in the housing bottom (pedal area) are provided $2 \times \varnothing 4,5$ and $2 \times \varnothing 6,5$ holes (see drawing). Here threads can be cut. Alternatively, the rubber feet can be removed and these threads can be used as a mounting option. |
| Protection type | IP65 to IEC/EN 60529 |
| Regulations | IEC/EN 60947-5-1 |
| Operating temperature | $-30^{\circ} \mathrm{C}$ to $+80^{\circ} \mathrm{C}$ |

## Additional information:

Any modification of the foot switch and its components will void the warranty and product liability. In particular, lifting the die-cast aluminum pedal against the upper stop and driving out the retaining pin are prohibited.
This can cause the foot switch to malfunction and thus lead to a loss of safety!
Different configurations of our foot switches are possible.
Please request a quotation stating the number of units required.


## FIESSLER

## Dimensional drawings

Single pedal foot switches


## Double pedal foot switches



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Safety products offered

## Innovative solutions

Safety light curtains<br>Type 4, SIL 3, PL e<br>Type 2, SIL 1, PL c<br>Finger and hand guard, entrance protection

Blanking and cascading
Protective field height up to 2500 mm high range up to 60 m
Very short response time as of 2 ms Safety controller integrated

AKAS ${ }^{\circledR}$ press brake safety system

Fully automatic adjustment
after tool change
Laser-optics safety light grid

Emergency shutdown Easiest programming
(fast shut down) max. 0.5 ms

Innovative finger guard through continuous bending without stop

Expandable with up to 16 expansion modules

## Safety contact mats

Type 3, SIL 2, PL d
individual sizes and shapes
Series connection of up to ten mats

Load capacity up to 2000 N single component casting also in several colors

## Safety laser scanner

Cat 3, SIL 2, PL d
Easy assembly
Protective field 4 m , range 7 m
Metering section 50 m range
Warning field 15 m
Several programmable sections

## Safety foot switches

Single-pedal or double-pedal

## Controlling, detecting and measuring

Measuring light curtains
Loop sensors
Directional counting light barriers

Hole detectors
Encoding strips

## Fiessler Elektronik GmbH \& Co. KG

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