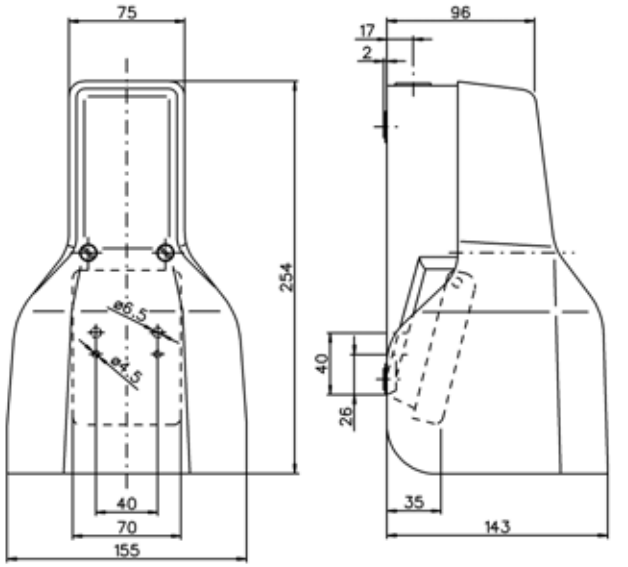
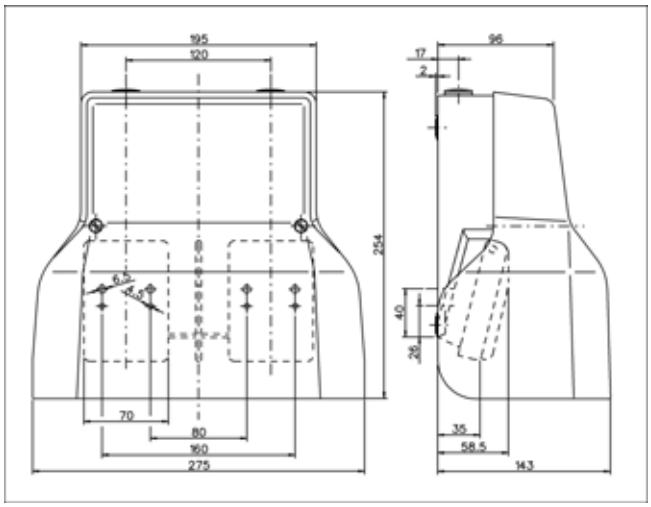


Safety foot-switch, single pedal



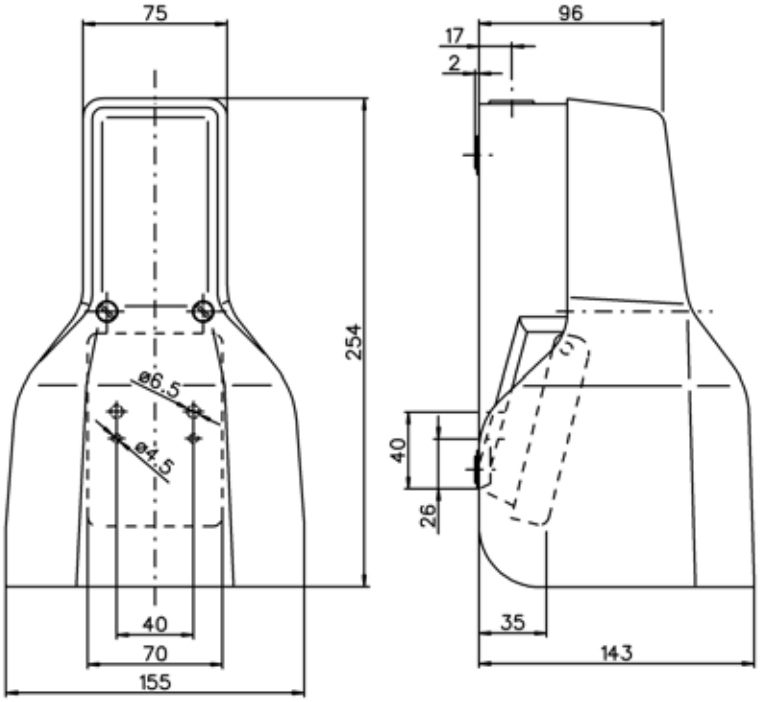
Foot-switch, single pedal

Safety foot-switch, double pedal

Safety foot-switch with Pedallock and/or Lever

Fiessler Elektronik GmbH & Co. KG
Kastellstr. 9 D-73734 Esslingen

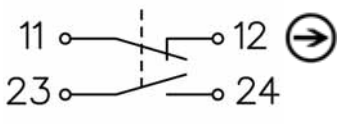
Telefon: 0711 / 91 96 97-0 Internet: http://www.fiessler.de
Telefax: 0711 / 91 96 97-50 eMail: info@fiessler.de



The foot pedal 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® Box bending function or opening of a press.

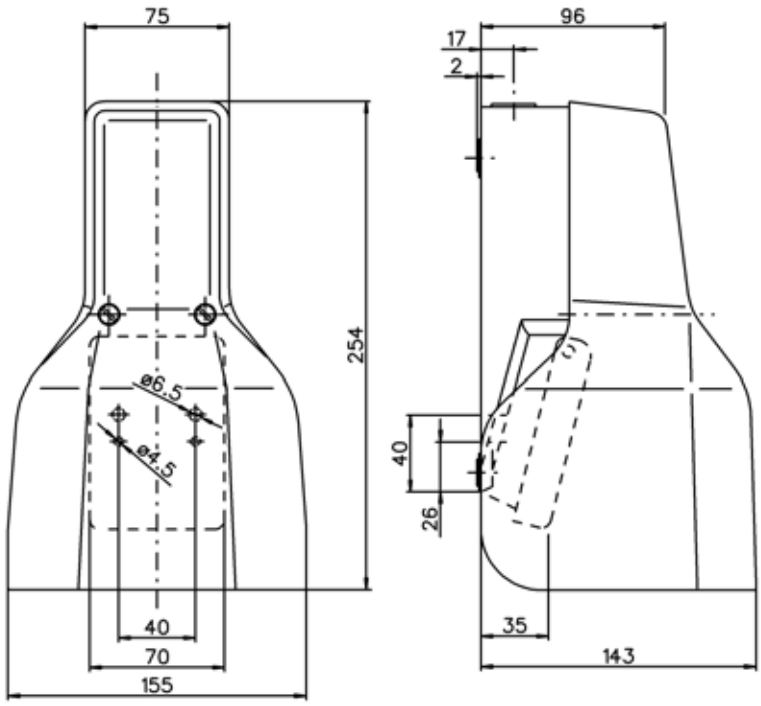
Switching diagram:

Switching elements:



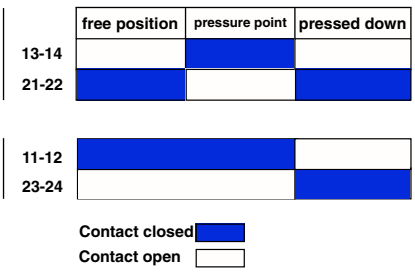
Execution	1-aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	M20x1,5
Switching insert	1 changeover contact, positive opening
Switching function	Changeover
Switching system	Creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS1-U1-U-xx (xx = RD = cover firered RAL 3000) (xx = YE = cover yellow RAL 1021)

Safety foot pedal FE-FS1-SU1ASDU1-U-xx

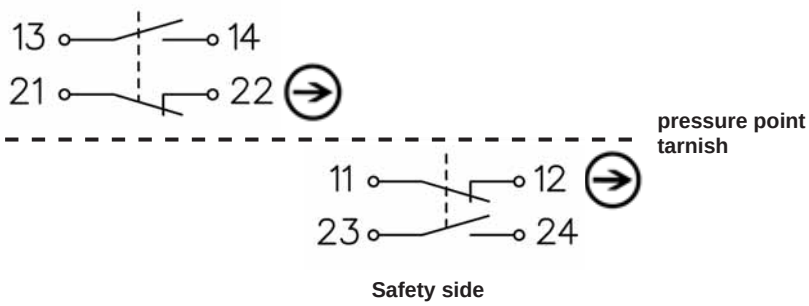


The foot pedal FE-FS1-SU1ASDU1-U have 3 positions with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NC+1NO) to drive the movement and one safety switches (1 positive opening NC contact + 1NO) to stop the movement. Pressing the foot pedal, 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 initiate 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.

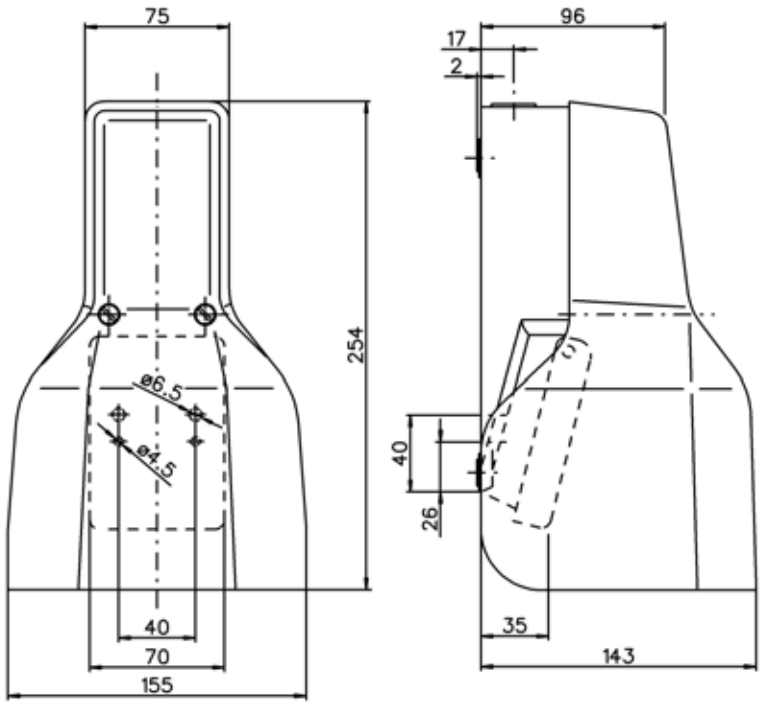
Switching diagram:



Switching elements:

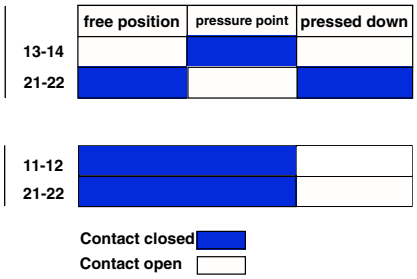


Execution	1-aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	M20x1,5
Switching insert	1 changeover contact, positive opening with tarnish after pressure point, 1 changeover contact, positive opening
Switching function	Sequential circuit with pressure point
pressure point	200 N operating force
Switching system	Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS1-SU1ASDU1-U-xx (xx = RD = cover firered RAL 3000)

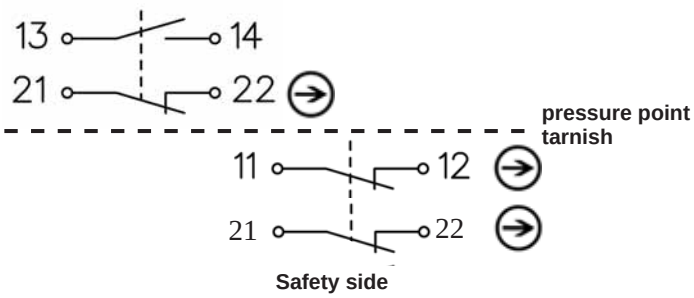


The foot pedal FE-FS1-SU1ASDO2-U have 3 positions with a pressure point to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NO and 1NC) to drive the movement and one safety switches (2 positive opening NC contacts) to stop the movement.
Pressing the foot pedal, 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 initiate 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.

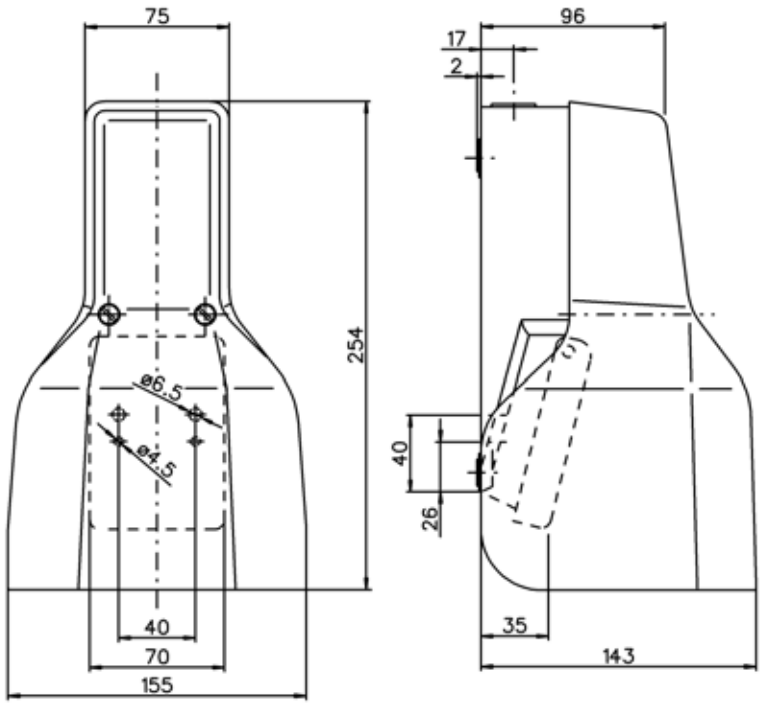
Switching diagram:



Switching elements:

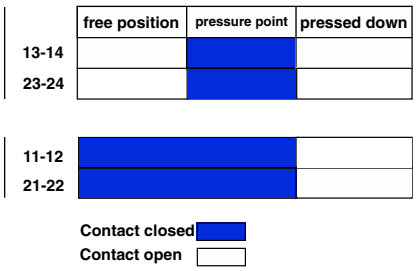


Execution	1-aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	M20x1,5
Switching insert	1 changeover contact, positive opening with tarnish after pressure point, 2 NC contacts, positive opening
Switching function	Sequential circuit with pressure point
pressure point	200 N operating force
Switching system	Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS1-SU1ASDO2-U-xx (xx = RD = cover firered RAL 3000)

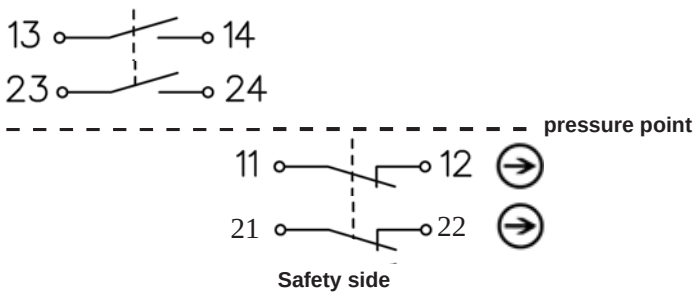


The foot pedal FE-FS1-S2DO2V-U have 3 positions with a pressure point and a pedal lock with manual release, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (2NO) to drive the movement and one safety switches (2 positive opening NC contacts) to stop the movement.
Pressing the foot pedal, 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 initiate 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.

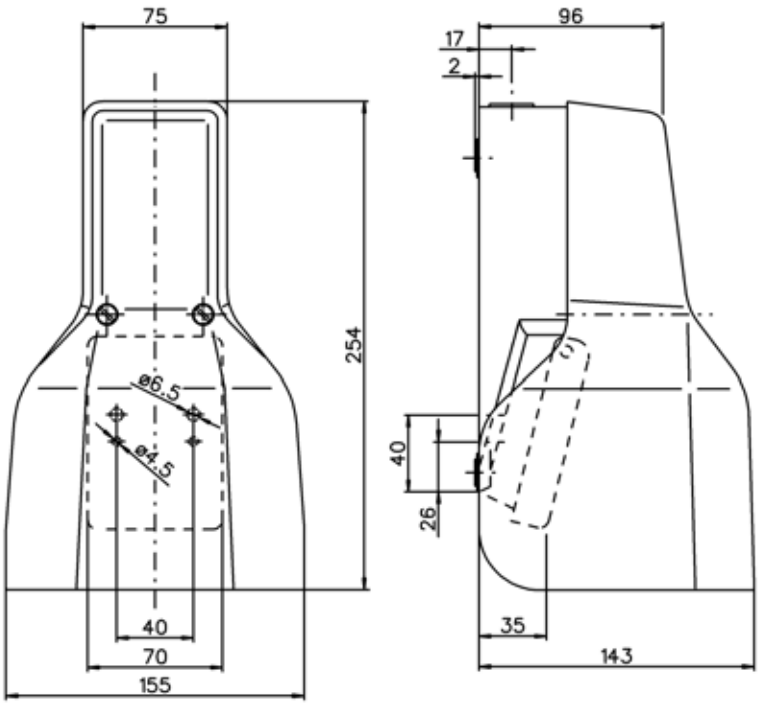
Switching diagram:



Switching elements:

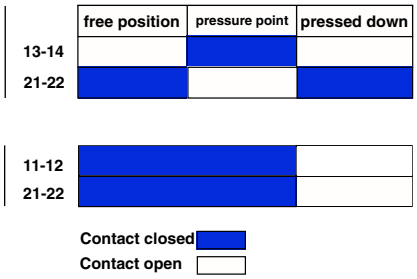


Execution	1-aluminum foot pedal heavy version, Pedal lock with manual release, free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	M20x1,5
Switching insert	2 NO contacts, after pressure point, 2 NC contacts, positive opening
Switching function	Sequential circuit with pressure point
pressure point	200 N operating force
Switching system	Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS1-S2DO2V-U-xx (xx = RD = cover firered RAL 3000)

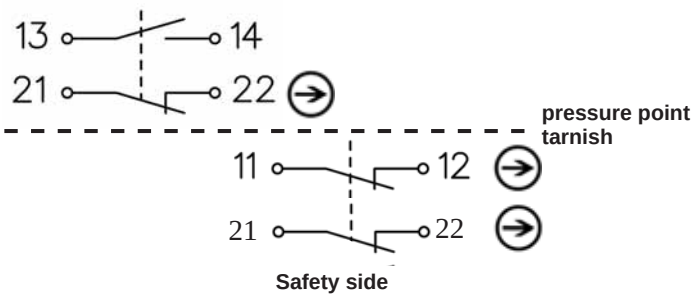


The foot pedal FE-FS1-SU1ASDO2V-U have 3 positions with a pressure point and a pedal lock with manual release, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NO and 1NC) to drive the movement and one safety switches (2 positive opening NC contacts) to stop the movement.
Pressing the foot pedal, 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 initiate 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.

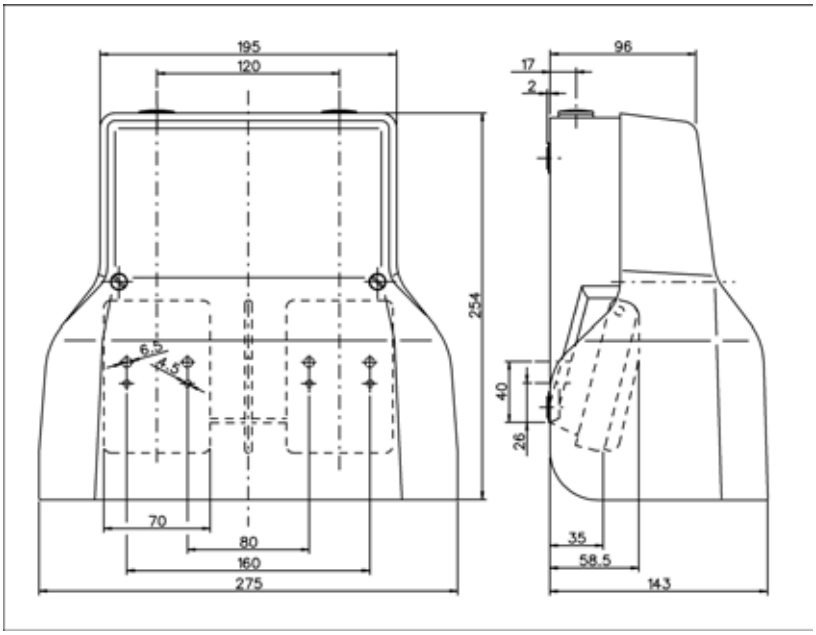
Switching diagram:



Switching elements:



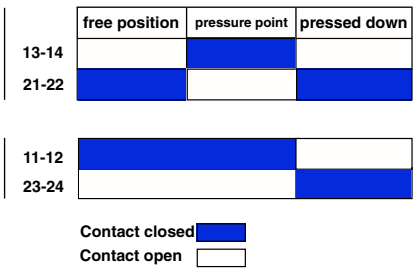
Execution	1-aluminum foot pedal heavy version, Pedal lock with manual release, free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	M20x1,5
Switching insert	1 changeover contact, positive opening with tarnish after pressure point, 2 NC contacts, positive opening
Switching function	Sequential circuit with pressure point
pressure point	200 N operating force
Switching system	Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS1-SU1ASDO2V-U-xx (xx = RD = cover firered RAL 3000)



The safety foot pedal FE-FS2-SU1ASDU1/U1-U use safety switches.
The right foot pedal have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS® Box bending function or opening of a press. The left foot pedal have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NC+1NO) to drive the movement and one safety switch (1 positive opening NC contact + 1NO) to stop the movement. Pressing the foot pedal, 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 initiate 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.

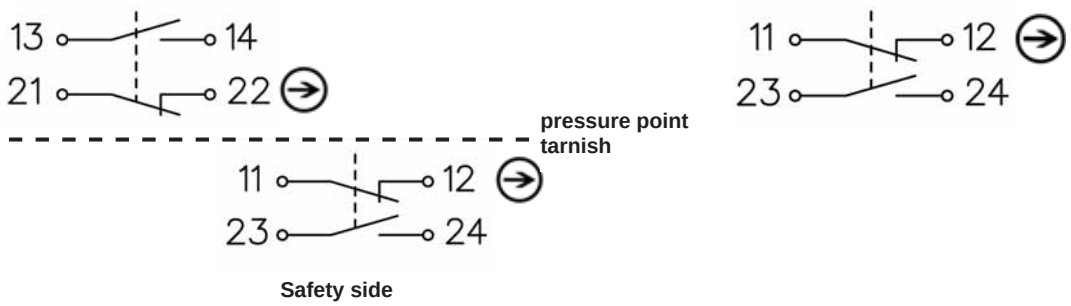
Switching diagram:

Left pedal:

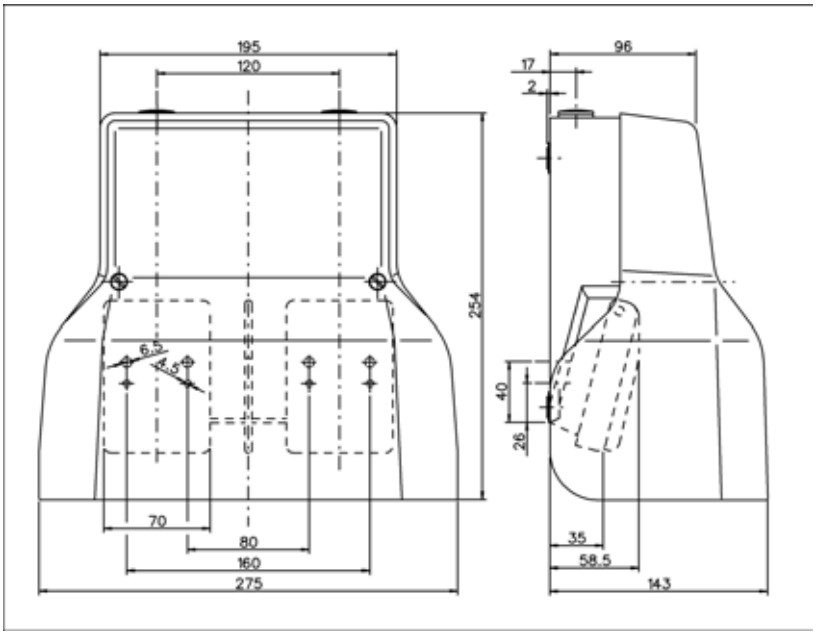


Right pedal:

Switching elements:



Execution	2 aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 1 changeover contact, positive opening with tarnish after pressure point, 1 changeover contact, positive opening
	Rigth pedal: 1 changeover contact, positive opening
Switching function	Left pedal: sequential circuit with pressure point
Pressure point	Left pedal: 200 N operating force
Switching system	Left pedal: Jump-/ creep mechanism
	Right pedal: Creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS2-SU1ASDU1/U1-U-xx (xx = RD = cover firered RAL 3000)

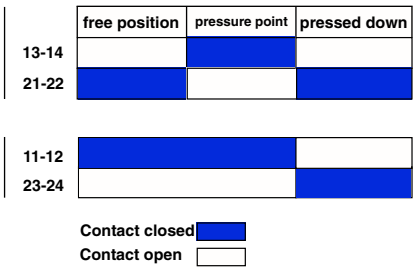


The safety foot pedal FE-FS2-U1/SU1ASDU1-U use safety switches.
The left foot pedal have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS® Box bending function or opening of a press. The right foot pedal have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NC+1NO) to drive the movement and one safety switch (1 positive opening NC contact + 1NO) to stop the movement. Pressing the foot pedal, 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 initiate 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.

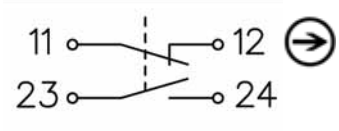
Switching diagram:

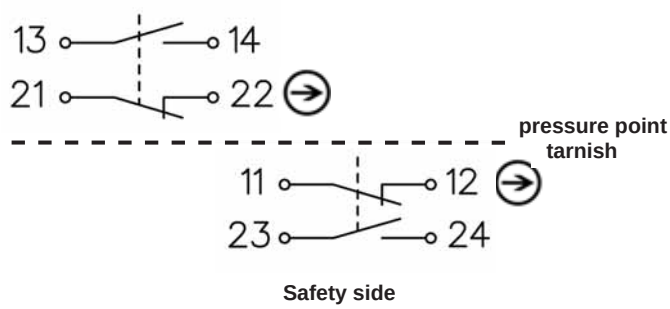
Left pedal:

Right pedal:

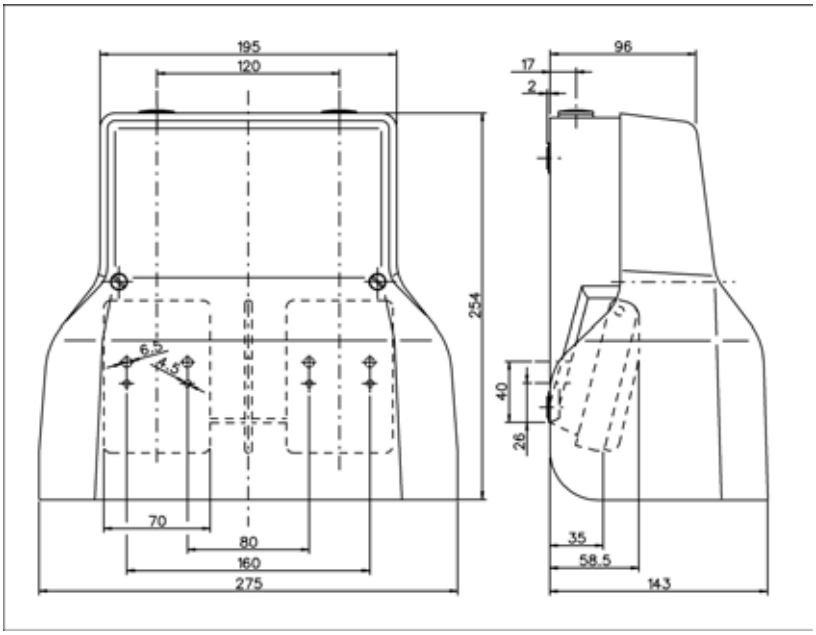


Switching elements:





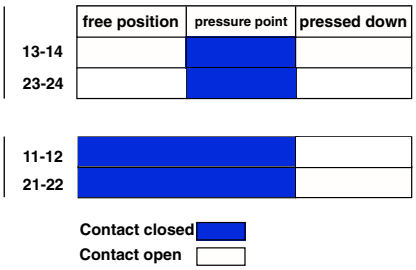
Execution	2 aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 1 changeover contact, positive opening
	Right pedal: 1 changeover contact, positive opening with tarnish after pressure point, 1 changeover contact, positive opening
Switching function	Right pedal: sequential circuit with pressure point
Pressure point	Right pedal: 200 N operating force
Switching system	Left pedal: Creep mechanism
	Right pedal: Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS2-U1/SU1ASDU1-U-xx (xx = RD = cover firered RAL 3000)



The safety foot pedal FE-FS2-S2DO2/U1-U use safety switches.
The right foot pedal have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS® Box bending function or opening of a press. The left foot pedal have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). 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 pedal, 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 initiate 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.

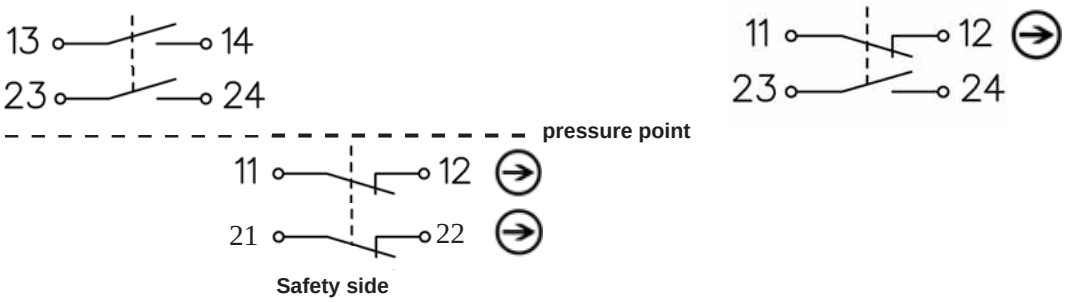
Switching diagram:

Left pedal:

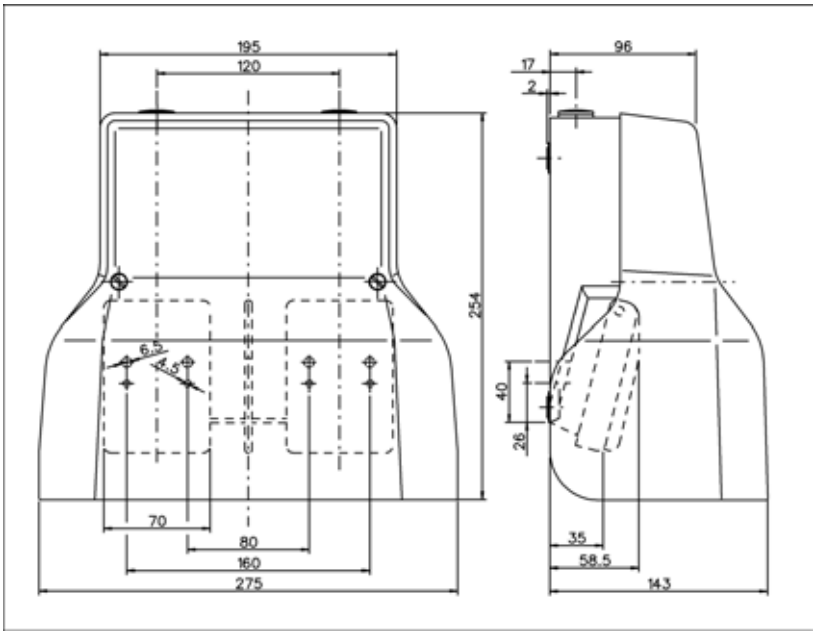


Right pedal:

Switching elements:



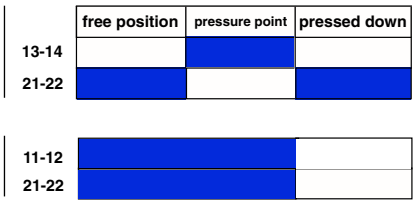
Execution	2 aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 2 NO contacts, after pressure point, 2 NC contacts, positive opening
	Rigth pedal: 1 changeover contact, positive opening
Switching function	Left pedal: sequential circuit with pressure point
Pressure point	Left pedal: 200 N operating force
Switching system	Left pedal: Jump-/ creep mechanism
	Right pedal: Creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS2-S2DO2/U1-U-XX (xx = RD = cover firered RAL 3000)



The safety foot pedal FE-FS2-SU1ASDO2/U1-U use safety switches.
The right foot pedal have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS® Box bending function or opening of a press. The left foot pedal have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NC+1NO) to drive the movement and one safety switch (2 positive opening NC contacts) to stop the movement. Pressing the foot pedal, 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 initiate 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.

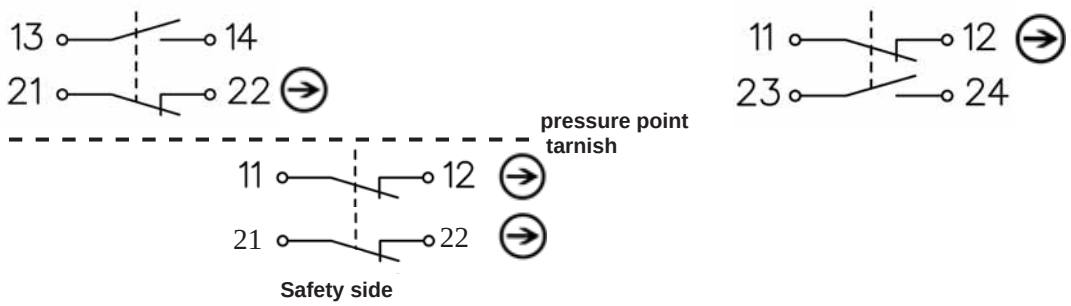
Switching diagram:

Left pedal:

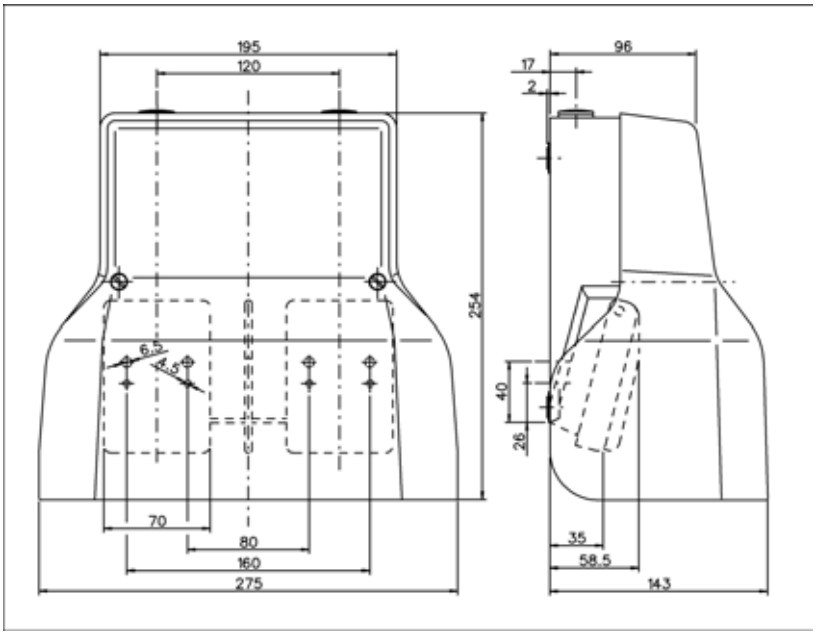


Right pedal:

Switching elements:



Execution	2 aluminum foot pedal heavy version free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 1 changeover contact, positive opening with tarnish after pressure point, 2 positive opening contacts
	Rigth pedal: 1 changeover contact, positive opening
Switching function	Left pedal: sequential circuit with pressure point
Pressure point	Left pedal: 200 N operating force
Switching system	Left pedal: Jump-/ creep mechanism
	Right pedal: Creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS2-SU1ASDO2/U1-U-XX (XX = RD = cover firered RAL 3000)

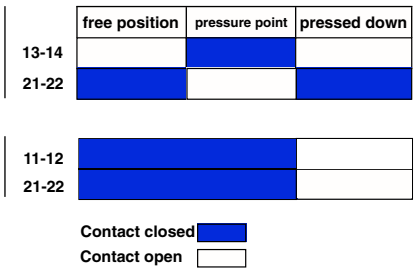


The safety foot pedal FE-FS2-U1/SU1ASDO2S-U use safety switches and a lever.
The left foot pedal have two positions (free position and pressed down position). It may e.g. be used for the selection of AKAS® Box bending function or opening of a press. The right foot pedal have 3 positions, with a pressure point, to control dangerous movements (for instance get down of a press brake ect…). It has 2 working contacts (1NC+1NO) to drive the movement and one safety switch (1 positive opening NC contact + 1NO) to stop the movement. Pressing the foot pedal, 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 initiate 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.

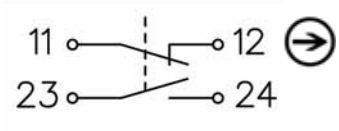
Switching diagram:

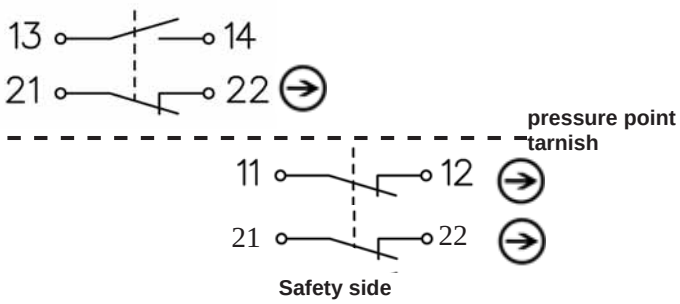
Left pedal:

Right pedal:



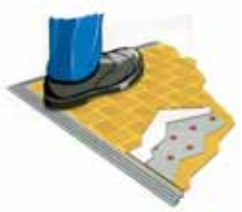
Switching elements:





Execution	2 aluminum foot pedal heavy version, with lever, free standing on slip elastic feet
Operating voltage	max. 500 VAC, 40-60Hz
Switching current	max. 10 A
Operations	min. 10 Mio.
Contact Material	Silver
Connection type	Screwterminal
Electrical connection	0,5-1,5 mm2
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 1 changeover contact, positive opening
	Right pedal: 1 changeover contact, positive opening with tarnish after pressure point, 2 positive opening contacts
Switching function	Right pedal: sequential circuit with pressure point
Pressure point	Right pedal: 200 N operating force
Switching system	Left pedal: Creep mechanism
	Right pedal: Jump-/ creep mechanism
Housing	Die cast aluminum, powder-coated RAL 7021 (dark gray)
Pedal	Thermoplastic fiberglass reinforced PA6.6 black
Accident cover	Die cast aluminum, powder-coated
Attachment	For mounting of the footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes (see drawing)
Protection type	IP65 to IEC/EN 60529
Operating temperature	-30°C to +80°C
Regulations	IEC/EN 60947-5-1
Order code	FE-FS2-U1/SU1ASDO2S-U-xx (xx = RD = cover firered RAL 3000)

other Safety products



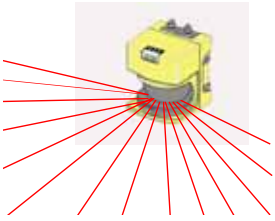
Saftety Mats

Safety-Footpedal

Parametricable Saftetycontrol FPSC

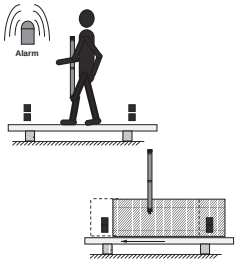
Press Brake Protection System AKAS

Safety-Light-Curtain

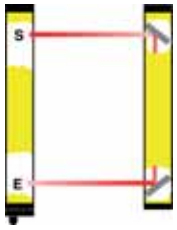


Proximity Laser Scanner

Single-Safety-Beam



Safety-Light-Grid with muting function



Safety-Light-Grid

Service

As a special feature for training our customers, Fiessler Elektronik offers one-day safety workshops. Our service team provides you with expert advice and information for the reliable integration of our safety equipment into your machine.

HOMOLOGATIONS

In order to ensure and maintain the high quality level of the Fiessler safety products, a quality control security system has been established early. Fiessler Elektronik holds the DIN ISO EN 9001 Certificate and, thanks to the company-owned EMC laboratory, all products must pass a inspection without exception before they leave the company. All safety equipment comply with the applicable national and international standards. Development and Design is made in close cooperation with the German employer`s liablility insurance associations. All homologations are obtained only after having passed strict tests by the German surveyor organisation TÜV.

CE BG zugelassen TÜV NORD Baumuster geprüft MOODY INTERNATIONAL **Zertifiziertes QM-System nach DIN ISO 9001:2000** UL LISTED

AWARD OF APPRECIATION

for exemplary performance in the development of the press brake protection system AKAS.
The award was bestowed upon Fiessler Elektronik by the ministry of trade and commerce of the federal state of Baden-Württemberg.

Fiessler Elektronik GmbH & Co. KG
Kastellstr. 9
D-73734 Esslingen

Telefon: ++49(0)711-91 96 97-0
Fax: ++49(0)711-91 96 97-50
Email: info@fiessler.de
Internet: www.fiessler.de

Fiessler Elektronik has respresentations in all major industrial nations.