

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.

Left pedal:

Right pedal:

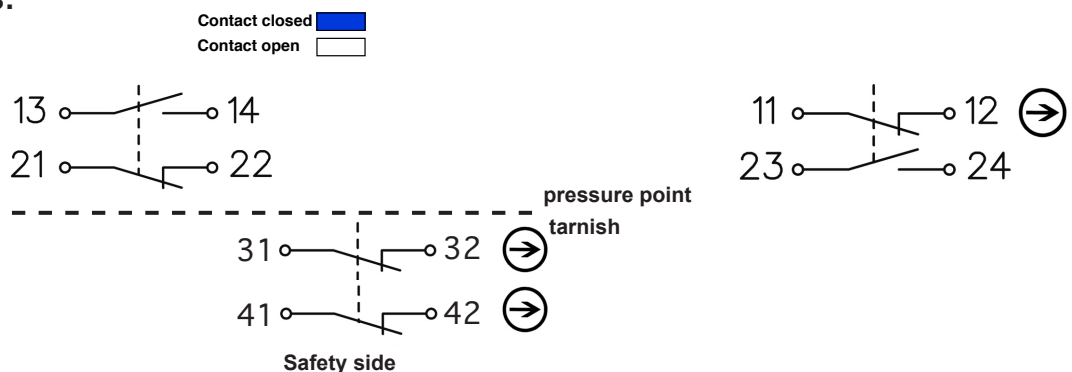
Switching diagram:

	free position	pressure point	pressed down
13-14		■	■
21-22	■		■
31-32	■	■	
41-42	■	■	

	free position	pressed down
23-24		■
11-12	■	

Contact closed ■
 Contact open □

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. 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
Cable entry	3x M20x1,5
Switching insert	Left pedal: 1 changeover contact with tarnish, after pressure point 2 positive opening contacts Right pedal: 1 changeover contact, positive opening
Switching function	Left pedal: sequential circuit with pressure point
Pressure point	Left pedal: Min. 200 N operating force when used as intended
Switching system	Left pedal: Jump-/ creep mechanism Right pedal: Creep mechanism
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 footpedal in the housing bottom (pedal area) are provided 2xØ4,5 and 2xØ6,5 holes . 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
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)

Additional information:

Any modification of the foot pedal 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 pedal to malfunction and thus lead to a loss of safety!