

The safety foot pedal FE-FS2-S2DO2A/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.

Left pedal:

Right pedal:

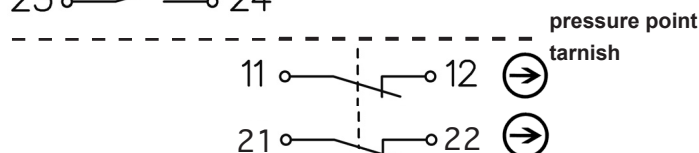
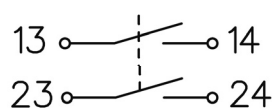
Switching diagram:

	free position	pressure point	pressed down
13-14			
23-24			
11-12			
21-22			

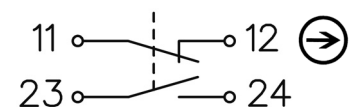
	free position	pressed down
23-24		
11-12		

Contact closed
 Contact open

Switching elements:



Safety side



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 mm ²
Cable entry	1x M20x1,5 (middle), 2x PG13,5
Switching insert	Left pedal: 2 NO contacts, with tarnish after pressure point, 2 NC contacts, positive opening Righth 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 60204 IEC/EN 60947-5-1
Order code	FE-FS2-S2DO2A/U1-U-XX (xx = RD = cover firered RAL 3000)