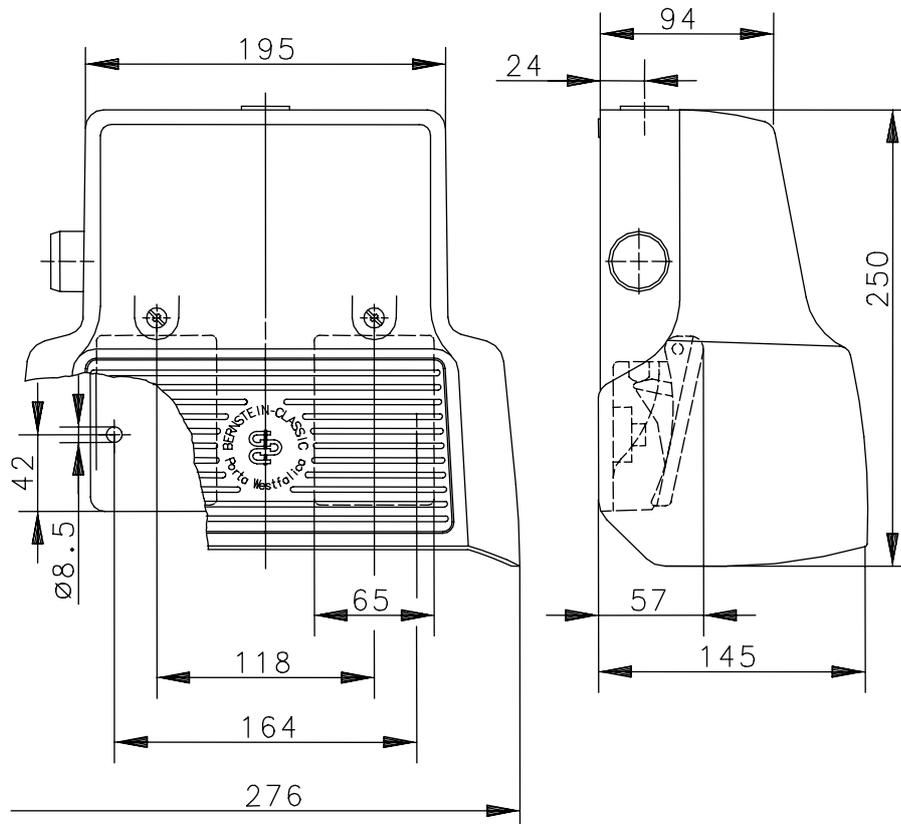


### Series F2 UN

Description **F2-SU1ZUV1ZDx2/U2Z UN**

Article number **6162000663**

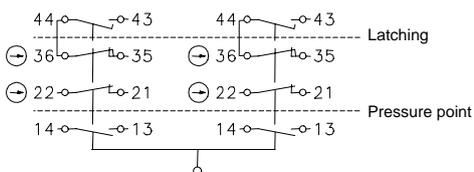


### Switching symbols

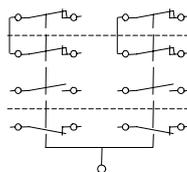
Pedal left

(Three-Step-Safety Switch with latching function „Off – On – Off“)

Pedal right

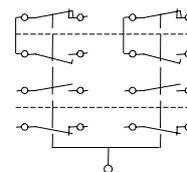


„Off“ position

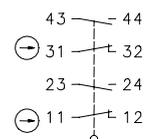


„On“ position

Before the switch latches, the tactile touch has to be surmounted.



„Off“ position



### Electrical data

Rated insulation voltage	$U_i$	400V AC
Conv. thermal current	$I_{the}$	10A
Rated operational voltage	$U_e$	240V
Utilization category		AC-15, $U_e/I_e$ 240V/3A
Direct opening action	$\ominus$	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 2A gL/gG
Protection class		I

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<b>Mechanical data</b>	
Enclosure	AL, die-cast
Protective guard (Accident protection cover UN)	AL, die-cast
Actuator	Foot lever (PA)
Ambient air temperature	-30°C to +80°C
Contact type (Pedal left)	2 x (2 N.C, 2 N.O. (Zb))
(Pedal right)	2 N.C, 2 N.O. (Zb)
Operating force	approx. 10N (pedal centre)
Pressure point Pedal left	approx. 240N
Mechanical life	10x10 <sup>6</sup> operating cycles
Switching frequency	max. 50/min
Assembly	2 x M8
Connection	screw terminals (M3.5)
Number of connections	24 (see switching symbols)
Protection ground	2 x M4
Conductor cross-sections	Solid: 0.5 ... 1.5mm <sup>2</sup> Litz wire with ferrules: 0.5 ... 1.5mm <sup>2</sup>
Cable entrance	1 x M20x1,5
Weight	approx. 2,8kg
Protection type	IP65 in accordance with IEC/EN 60529
<b>Regulations</b>	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
<b>EU Conformity</b>	
	<b>CE</b>
<b>Approvals</b>	
	cCSA <sub>US</sub> A300 (same polarity)

### Safety function (Foot lever) – left pedal

Three stage safety footswitch (twice) with latch

The safety footswitch contacts are wired in series, this allows normal machine operation with the advantage of a safety latched „Emergency stop“ if the pedal is fully depressed.

1. Rest-Machine stopped.
2. Machine start is enabled by depressing pedal to the pressure point, this closed the normally open contacts 43 – 44 and 13 – 14.
3. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contact 35 – 36 is force disconnected stopping the machine, simultaneously the latch engages and holds the contact 35 – 36 in this “Emergency stop” status, preventing an unauthorised re-start of the machine.  
(The contacts 21 – 22 can be used for special functions.)

„Safety for man and machine“

4. Only after releasing the latch, by pressing the push button mounted in the side of the footswitch body, do the contacts reset allowing normal operation to resume.

### Notes

The degree of protection specified (IP code) applies only to a properly closed protective guard and the use of an equivalent cable gland with adequate cable.