

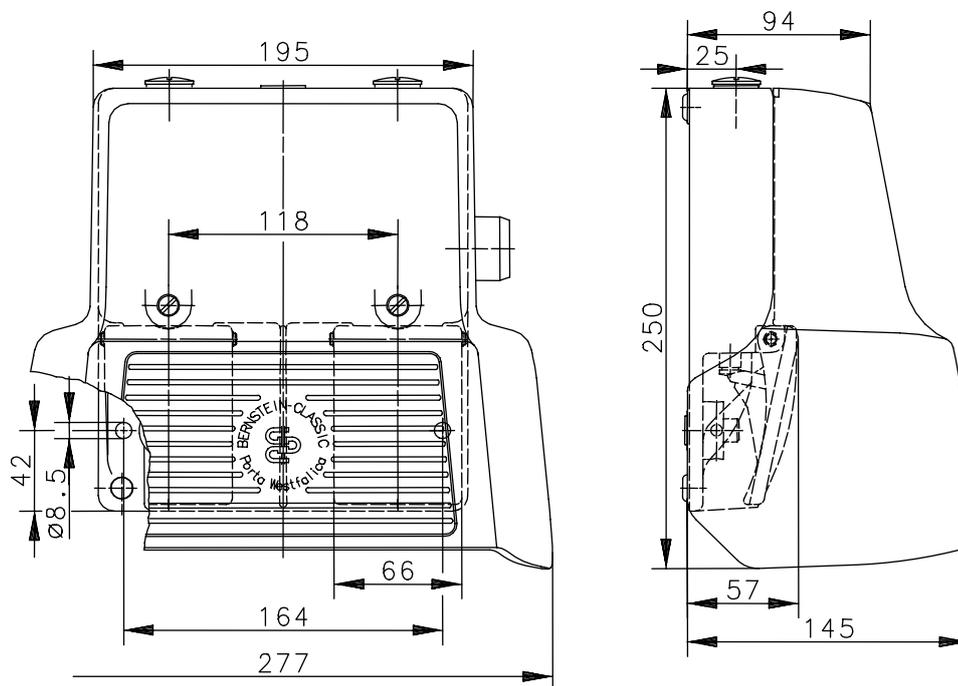
# Technical Data

## Foot-switch

### Series F2 UN

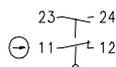
Description **F2-U1Z/SU1ZCA2ZD Rast UN**

Article number **6162000627**



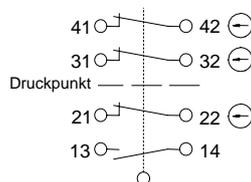
Pedal  
Switching  
symbol

left

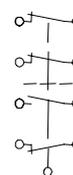


Switching  
position

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

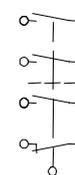


„Off“



„On“

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



„Latch“

### Electrical data

Rated insulation voltage	$U_i$	250V AC
Conv. thermal current	$I_{the}$	10A
Rated operational voltage	$U_e$	240V
Utilization category		AC-15, $U_e/I_e$ 240V/3A
Positive opening NC contact	$\ominus$	IEC/EN 60947-5-1,
Short-circuit protective device		Fuse 2A gL/gG IEC/EN 60947-5-1, Annex K
Protection class		I

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Mechanical data	
Enclosure	AL, die-cast
Cover	AL, die-cast
Actuator	Foot lever (PA)
Ambient air temperature	-30° C to +80° C
Contact type	4 NC, 2 NO (Zb)
Operating force Pedal left	approx. 10 N (pedal centre)
Pedal right	with pressure point
Mechanical life	1x10 <sup>6</sup> operating cycles
Switching frequency	max. 30/min
Assembly	2 x M8
Connection	screw terminals (M3.5)
Number of connections	12
Protection ground	2 x M4
Conductor cross-sections	Solid: 0,5 ... 1,5mm <sup>2</sup> Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x M20x1.5
Weight	approx. 2,6 kg
Protection type	IP65 in accordance with IEC/EN 60529
Regulations	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
EU Conformity	
	CE

### Safety function (Foot lever)

Three stage safety footswitch 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 13-14 and opened the normally closed contacts 21-22 .
3. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contacts 11-12 and 41 – 42 are force disconnected stopping the machine, simultaneously the latch engages and holds the contacts (inserted switch 1) 31-32 and 41-42 in this “Emergency stop” status, preventing an unauthorised re-start of the machine.

„Safety for man and machine“

3. 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.