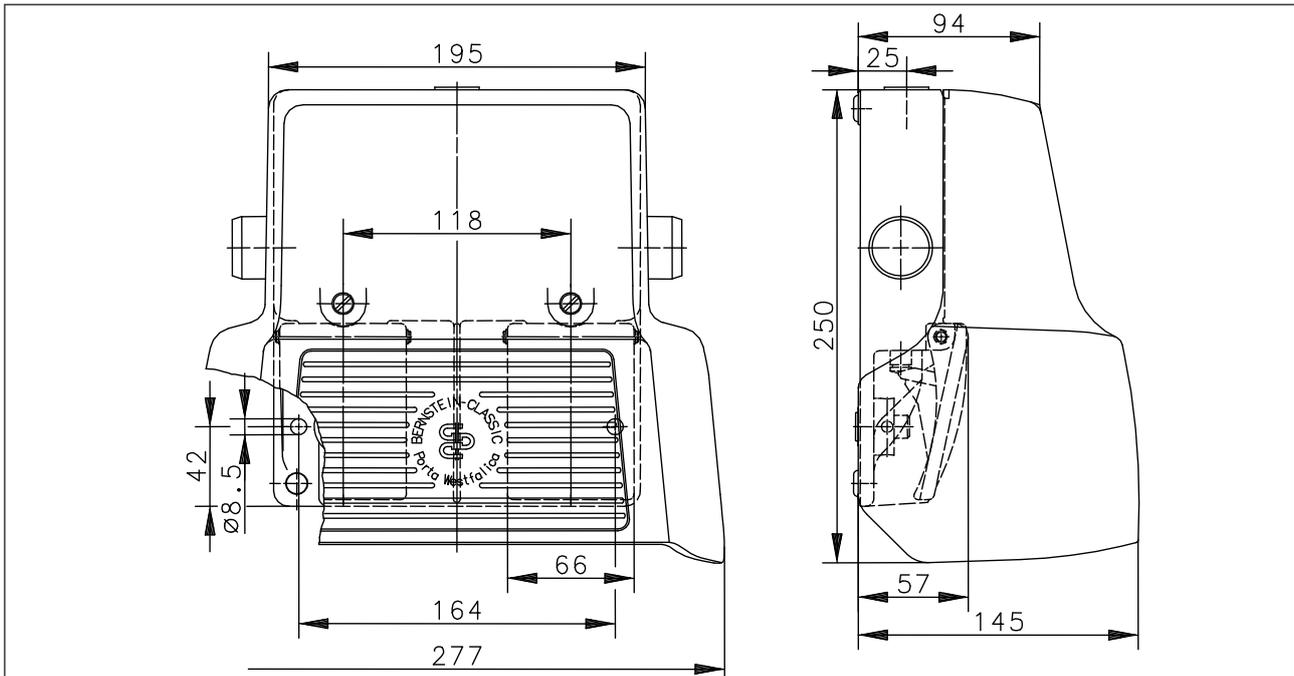


# Foot-switch Series F2 UN

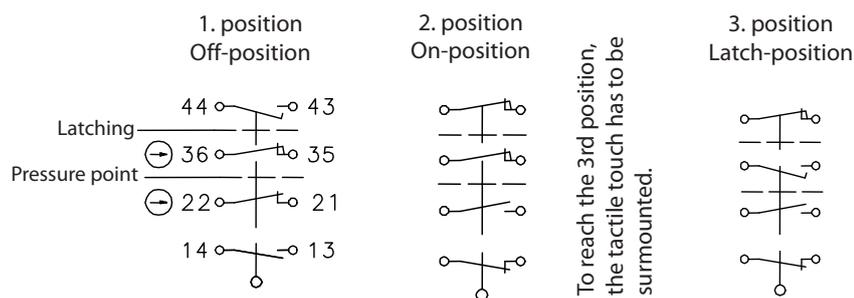
Description **F2-SU1ZUV1DR/SU1ZUV1DR UN**

Article number **6162000553**



**Switching symbol**

Pedal left and right  
(Three-Step-Safety Switch with latch „Off-On-OFF)



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

Mechanical data	
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	4 NC, 4 NO. (Zb)
Operating force (pedal centre)	10 N
Pressure point	≈ 200 N
Mechanical life	
without actuating the pressure point	10 x 10 <sup>6</sup> operating cycles
with actuating the pressure point	1 x 10 <sup>6</sup> operating cycles
Switching frequency	max. 50/min
Assembly	2 x M8
Connection	screw connections (M3,5)
Number of connection	16
Protection ground	2 x M4
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x M20 x 1,5
Weight	≈ 3,0 kg
Protection type	IP67 in accordance with IEC/EN 60529

ID for safety engineering	
B10d	20 x 10 <sup>6</sup> cycles

Regulations	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2014/35/EU (Low-Voltage-Directive)

Approvals	
	cCSA <sub>US</sub>
	CCC

**Safety function**

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 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.