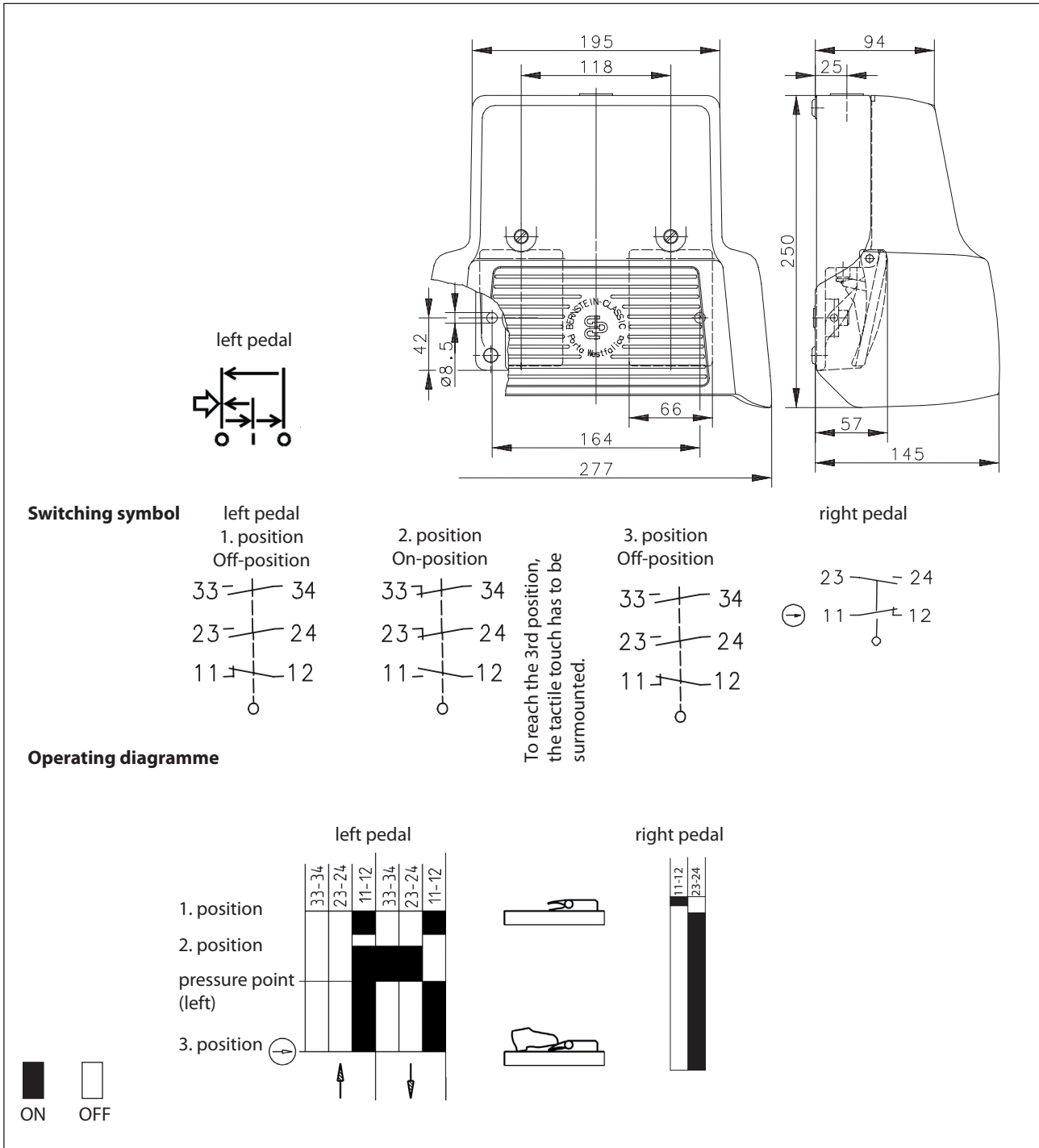


# Foot-switch Series F2 UN

Description **F2-ZSD/U1Z UN**

Article number **6062000575**



Electrical Data		
Rated insulation voltage	$U_i$	250 V
Conv. thermal current	$I_{the}$	5 A
Rated impulse withstand voltage	$U_{imp}$	2,5 KV
Rated operational voltage	$U_e$	240 V AC and 24 V DC
Utilization category		AC-15, $U_e / I_e$ 240 V AC / 1,5 A 50-60 Hz DC-13, $U_e / I_e$ 24 V DC / 1,0 A
Direct opening action	↻	acc. to IEC/EN 60947-5-1, annex K (pedal stop)
Short-circuit protective device		D-Fuse 4 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		Operating temperature range: -10 °C to +50 °C Storage temperature range: -25 °C to +70 °C
Contact type (right pedal) (left pedal)		1 NC, 1 NO. (Zb) 1 NC, 2 NO. (Zb)
Operating force (pedal centre) (right pedal) (left pedal) 1. position 2. position		10 N 10 N 25 N
Pressure point (left pedal)		≈ 200 N
Mechanical life (right pedal)		10 x 10 <sup>6</sup> operating cycles
Sequence of the switching position (left Pedal) 1 – 2 – 1 or: 1 – 2 – 3 – 1		10 x 10 <sup>6</sup> operating cycles 1 x 10 <sup>6</sup> operating cycles
Switching frequency (right pedal) (left pedal)		max. 50/min max. 30/min
Assembly		2 x M8
Connection		screw connections (M3,5)
Number of connections		10
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		≈ 2,3 kg
Protection type		IP67 in accordance with IEC/EN 60529

ID for safety engineering	
B10d	1 x 10 <sup>5</sup> Zyklen

Regulations	
	DIN EN 60947-5-1
	DIN EN 61326-3-1
	DIN EN ISO 13849-1

<b>EU Conformity</b>
acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)

<b>Approvals</b>
cUL <sub>US</sub>

<b>Function (left pedal)</b>
<p>Normally open contacts: 23 – 24, 33 – 44; Signalling contact: 11 – 12</p> <ul style="list-style-type: none"> <li>• Position 1: OFF position of the operating contacts (the pedal is not actuated)</li> <li>• Position 2: ON position of the operating contacts (the pedal is actuated to as far as the pressure point)</li> <li>• Position 3: OFF position of the operating contacts (the pedal is fully actuated)</li> </ul> <p>If the three-stage enable switch is actuated in position 2, it returns to position 1 when it is released. The three-stage enable switch changes from position 2 to position 3, if it gets further pressed unter after the resistance of the pressure point.</p> <p>The actuation of the operating contacts is made by a positive opening.</p> <p>Once the pedal is not pressed, the three-stage enable switch returns to position 1.</p> <p>The operating contacts are opened in the return stroke.</p>

<b>Notes</b>
The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.