

Technical Data

Foot-switch

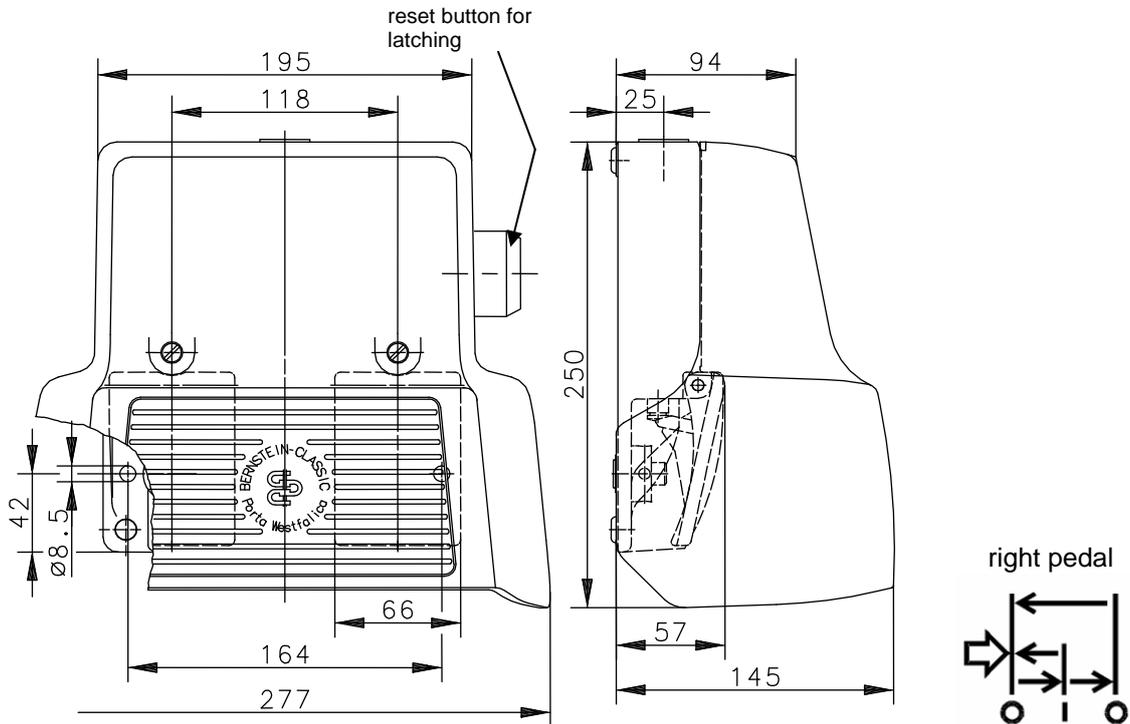
Series F2 UN

Description

F2-U1Z/ZSDR UN

Article number

6062000563



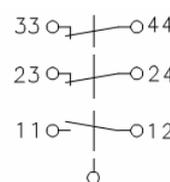
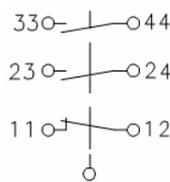
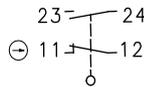
Switching symbol

left pedal

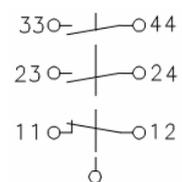
right pedal
1. position
Off-position

2. position
On-position

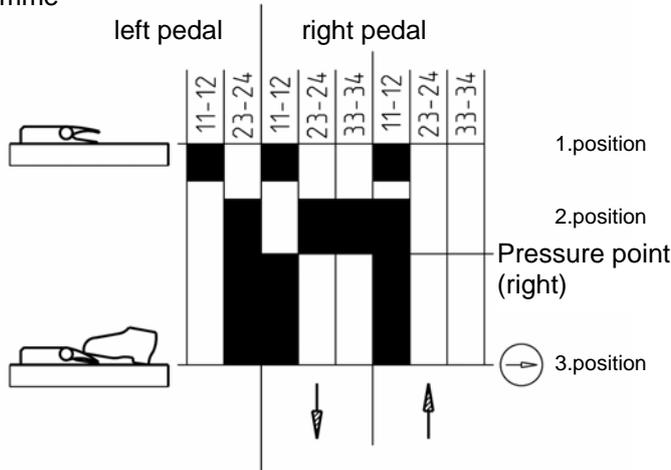
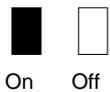
3. position
Off-position



To reach the 3rd position, the tactile touch has to be surmounted.



Operating diagramme



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Foot-switch

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
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 (left pedal)		1 NC, 1 NO. (Zb)
(right pedal)		1 NC, 2 NO. (Zb)
Operating force (pedal centre) (left pedal)		10 N
(right pedal) 1. position		10 N
2. position		25 N
Pressure point (right pedal)		≈ 200 N
Mechanical life (left pedal)		10 x 10 ⁶ operating cycles
Sequence of the switching position(right Pedal): 1 – 2 – 1		10 x 10 ⁶ operating cycles
or: 1 – 2 – 3 – 1		1 x 10 ⁶ operating cycles
Switching frequency (left pedal)		max. 50/min
(right pedal)		max. 30/min
Assembly		2 x M8
Connection		screw connections (M3,5)
		10
Protection ground		2 x M4
Conductor cross-sections		Solid: 0.5 ... 1.5 mm ² Litz wire with ferrules: 0.5 ... 1.5 mm ²
Cable entrance		1 x M20 x 1,5
Weight		Approx. 2,3 kg
Protection type		IP67 in accordance with IEC/EN 60529

ID for safety engineering	
B10d - value	1 x 10 ⁵

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 61326-3-1
	EN 13849

EU Conformity	
	acc. to directive 2006/95/EG

Approvals	
	cUL _{us}

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Function (right pedal)

Normally open contacts: 23 – 24, 33 – 44; Signalling contact: 11 – 12

- Position 1: OFF position of the operating contacts (the pedal is not actuated)
- Position 2: ON position of the operating contacts (the pedal is actuated to as far as the pressure point)
- Position 3: OFF position of the operating contacts (the three-stage enable switch is locked)

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 under after the resistance of the pressure point.

The switch is locked in position 3 and can only be returned in position 1 by pressing the release button.

The actuation of the operating contacts is made by a positive opening.

The operating contacts are opened in the return stroke.

Notes

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.