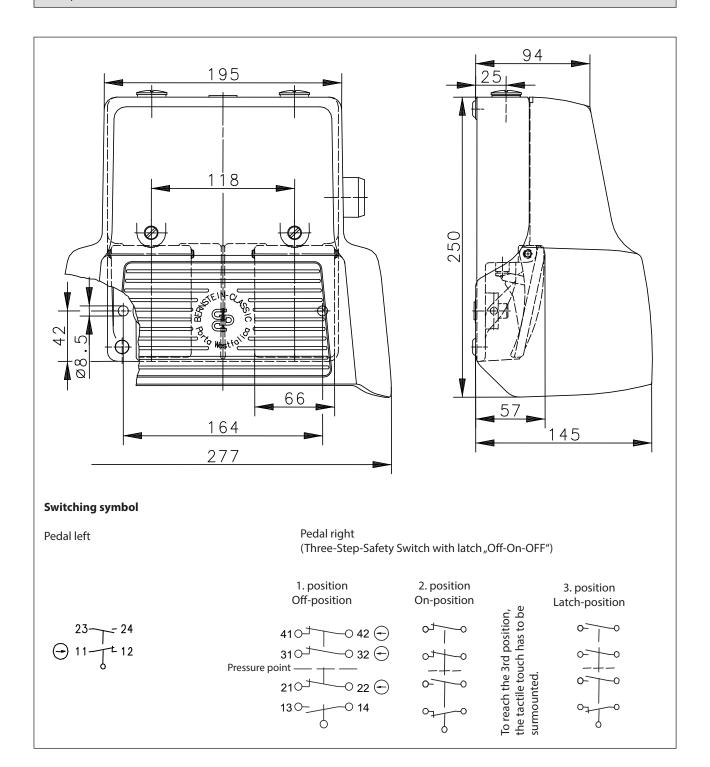


Foot-switch

Series F2 UN

Description F2-U1Z/SU1ZCA2ZDR UN

Article number 6162000733



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Electrical Data		
Rated insulation voltage	U _i	250 V AC
Conv. thermal current	l _{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	\odot	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 (RAL9005)
Actuator	Foot lever (PA)
Ambient air temperature	-30 °C to +80 °C
Contact type	4 NC, 2 NO. (Zb)
Operating force (pedal centre)	10 N
Pressure point	≈ 200 N
Mechanical life Pedal left Pedal right Sequence of the switching position: Off, On, Off or: Off, On, Latch, Off	10 x 10 ⁶ operating cycles 3 x 10 ⁶ operating cycles 1 x 10 ⁶ operating cycles
Switching frequency	max. 30/min
Assembly	2 x M8
Connection	screw connections (M3,5)
Number of connection	12
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	≈ 2,6 kg
Protection type	IP65 in accordance with IEC/EN 60529

ID for safety engineering			
B10d	Pedal left Pedal right	20×10^6 operating cycles 2×10^6 operating 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 2006/42/EC	i

Technical Data



Function

Three-stage safety switch with latching

The safety contact element consists of two adjoining switching systems which guarantee a normal work flow and in the case of an emergency the safety function "emergency-stop".

- 1. The normal work flow is initiated by pressing down the pedal to the pressure point, whereby the contacts 13 14 are closed and 21 22 are opened in succession.
- 2. In the case of an emergency, the pedal is pressed as far as it will go beyond the pressure point. The NC contacts (31 32 and 41 42) are force-opened and thereby the work process stops. At the same time, the automatic latching function is activated and holds the contacts (31 32 and 41 42) in "emergency-stop position". This reliably prevents uncontrolled restart of the machine or moving parts.

Safety for man and machine!

3. Only after the release of the pushbuttons on the side of the enclosure, the contacts will be released again and can be closed again by pressing the pedal beyond resistance of the pressure point.

The working process continues.

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.