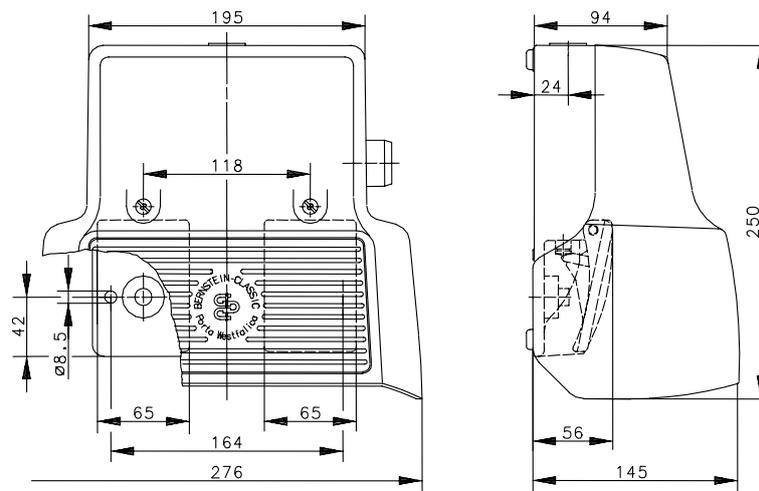


Foot-switch Series F2 UN

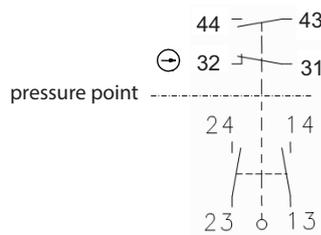
Description **F2-E2U1ZD/SU1ZUV1ZD UN**

Article number **6162700285**



Switching symbol

Pedal left

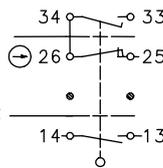


Pedal right

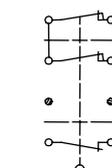
(Three-Step-Safety Switch with latching function „Off – On – Off“)

latching

pressure point

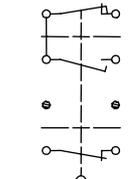


1. position
Off-position



2. position
On-position

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



3. position
Off-position

Electrical data		Pedal left	Pedal right
Rated insulation voltage	U_i	250 V AC	400 V AC
Conv. thermal current	I_{the}	5 A	10 A
Rated operational voltage	U_e	240 V	240 V
Utilization category		B300, AC-15 U_e / I_e 240 V / 1,5 A	A300, AC-15 U_e / I_e 240 V / 3 A
Positive opening NC contact	\ominus	acc. to IEC/EN 60947-5-1, annex K	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 6 A gG	Fuse 2 A gG
Protection class		I (referred to the complete foot-switch)	

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	2 N.C, 5 N.O. (Za, Zb)
Operating force (pedal centre)	≈ 10 N
Pressure point (pedal centre)	200 N ± 10 %
Mechanical life	1 x 10 ⁶ switching cycles
Switching frequency	max. 30/min
Assembly	2 x M8
Connection	8 x screw connections M3, 6 x screw connection M3.5
Number of connection	14 (see switching symbol)
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	≈ 2,8 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	
	acc. to directive 2014/35/EU (Low-Voltage-Directive)

Safety function (Foot lever right)	
<p>Three stage safety footswitch with latch</p> <p>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.</p> <ol style="list-style-type: none"> 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 contacts 33-34 one after another. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contacts 25-26 are force disconnected stopping the machine, simultaneously the latch engages and holds the contacts 25-26 in this “Emergency stop” status, preventing an unauthorised re-start of the machine. <p>„Safety for man and machine“</p> <ol style="list-style-type: none"> 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	
<p>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.</p>	