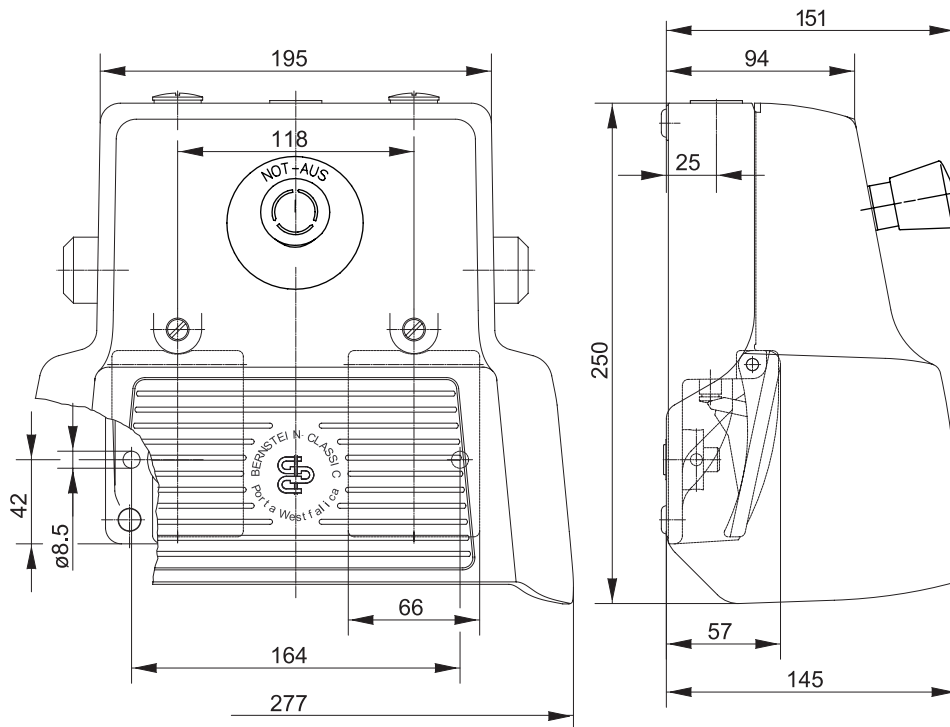


Foot-switch Series F2 UN

Description **F2-SU1ZCA2ZDR/SU1ZCA2ZDR NA2**

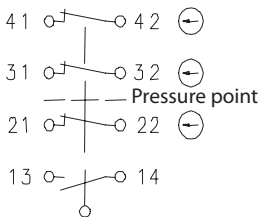
Article number **6162000786**



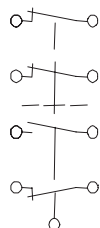
Switching symbol

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

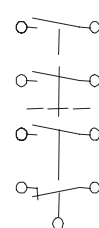
1. position
Off-position



2. position
On-position



3. position
Latch-position



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

EMERGENCY STOP Mushroom
snap action and teaseproof according to
DIN EN ISO 13850, twist to release



Electrical Data			
		Contact	Emergency stop
Rated insulation voltage	U_i	250 V AC	500 V AC
Conv. thermal current	I_{the}	10 A	10 A
Rated operational voltage	U_e	240 V	230 V
Utilization category		AC-15, U_e / I_e 240 V AC / 3 A	AC-15, U_e / I_e 230 V AC / 6 A
Direct opening action	⊙	acc. to IEC/EN 60947-5-1, annex K	
Short-circuit protective device		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	-25 °C ... +70 °C
Contact type	6 NC, 4 NO. (Zb)
Operating force (pedal centre)	10 N
Pressure point	≈ 200 N
Mechanical life	
without actuating the pressure point	10 x 10 ⁵ operating cycles
with actuating the pressure point	1 x 10 ⁶ operating cycles
Emergency stop	3 x 10 ⁵ operating cycles
Switching frequency	max. 30/min
Assembly	2 x M8
Connection switch	screw connections (M3,5)
Number of connection switch	16
Protection ground	2 x M4
Conductor cross-sections built-in switch	Solid: 0,5 ... 1,5 mm ² Litz wire with ferrules: 0,5 ... 1,5 mm ²
Conductor cross-sections emergency stop	2 x 1,0 – 1,5 mm ² Litz wire with ferrules: 2 x 0,5 – 1,5 mm ²
Cable entrance	3 x M20 x 1,5
Weight	≈ 2,8 kg
Protection type	IP65 in accordance with IEC/EN 60529

Regulations
DIN EN 60947-5-1

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

Approvals
CCC

Function
<p>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".</p> <ol style="list-style-type: none"> 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. <p>Safety for man and machine!</p> <ol style="list-style-type: none"> 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. <p>The working process continues.</p>

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>