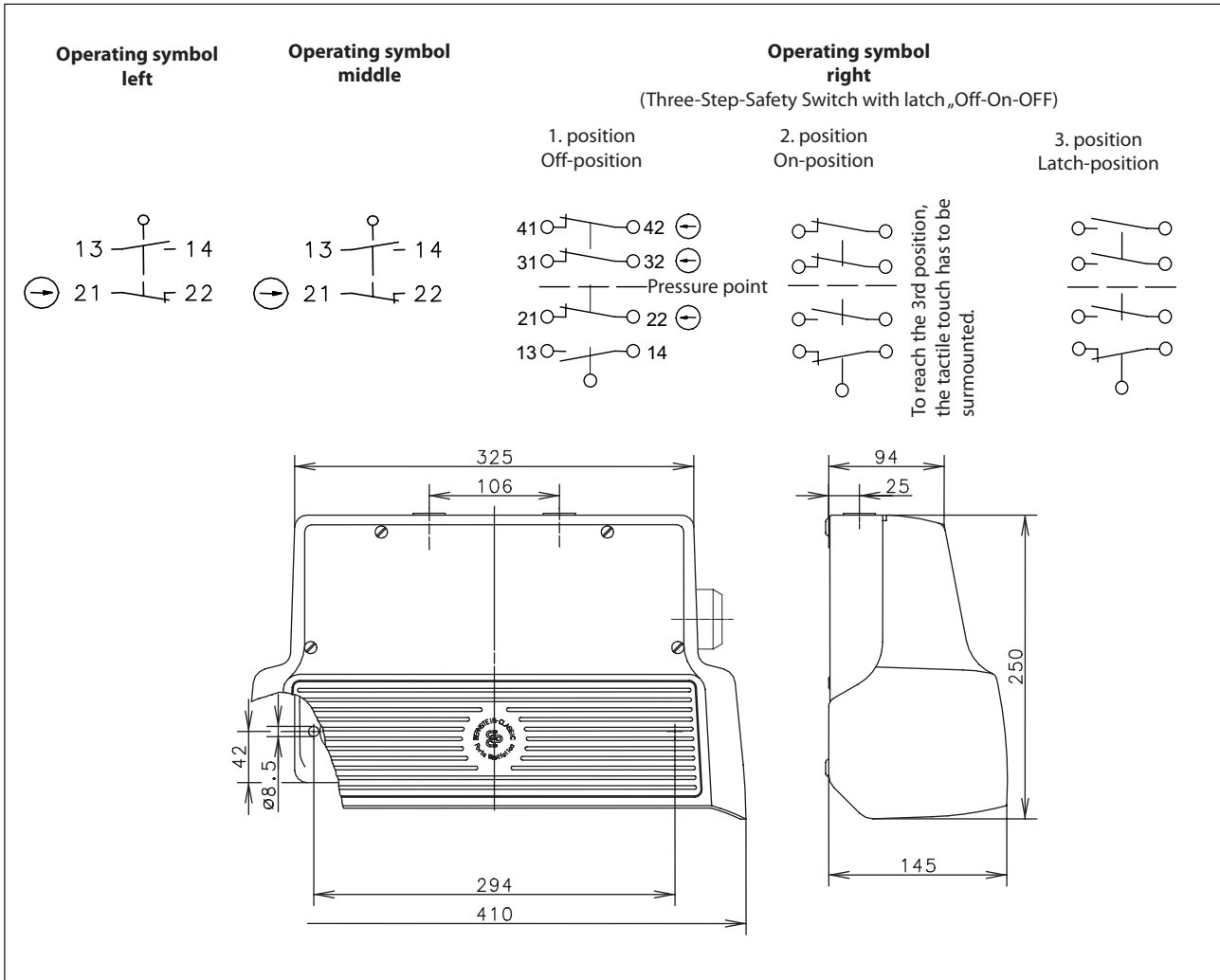


Foot-switch Series F3 UN

Description **F3-SU1Z/SU1Z/SU1ZA2ZDR UN**

Article number **6163835820**



Electrical Data		
Rated insulation voltage	U_i	400 V AC
Conv. thermal current	I_{the}	10 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U_e 240 V / I_e 3 A
Direct opening action	\ominus	acc. to IEC/EN 60947-5-1, annex K (pedal stop)
Short-circuit protective device		Fuse 2 A gG
Protection class		I

Mechanical data	
Enclosure	AL
Protective guard (Accident protection cover UN)	AL
Actuator	Foot lever (PA)
Ambient air temperature	-30° C ... +80° C
Contact type	5 NC, 3 NO (Zb)
Operating force	≈ 10 N (pedal centre)
Mechanical life	Pedal left and center Pedal right
Sequence of the switching position: or:	Off, On, Off Off, On, Latch, Off
Switching frequency	max. 30 / min
Assembly	2 x M8
Connection	screw terminals (M3,5)
Number of connections	16
Protection ground	2 x M4
Conductor cross-sections	Solid: 0,5 ... 1,5 mm ² or Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	2 x M20 x 1,5
Weight	≈ 5,4 kg
Protection type	IP65 acc. to IEC/EN 60529

ID for safety engineering		
B10d	Pedal right	2 x 10 ⁶ cycles
B10d	Pedal left and center Pedal	20 x 10 ⁶ cycles

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

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

Function (Pedal right)
<p>Three-stage safety switch with latching</p> <p>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"> The normal work flow is initiated by pressing down the pedal to the pressure point, whereby the contacts 13 – 14 closed and 21 – 22 are opened in succession. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contacts 31-32 and 41 – 42 are force disconnected stopping the machine, simultaneously the latch engages and holds the contacts 31-32 and 41-42 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"> 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. <p>The working process continues.</p>

Notes
<p>Tapped holes not in use must be closed with blind plugs.</p> <p>The degree of protection (IP code) specified applies only to a properly closed protective guard and in connection with the appropriate cable glands or blind plugs.</p>