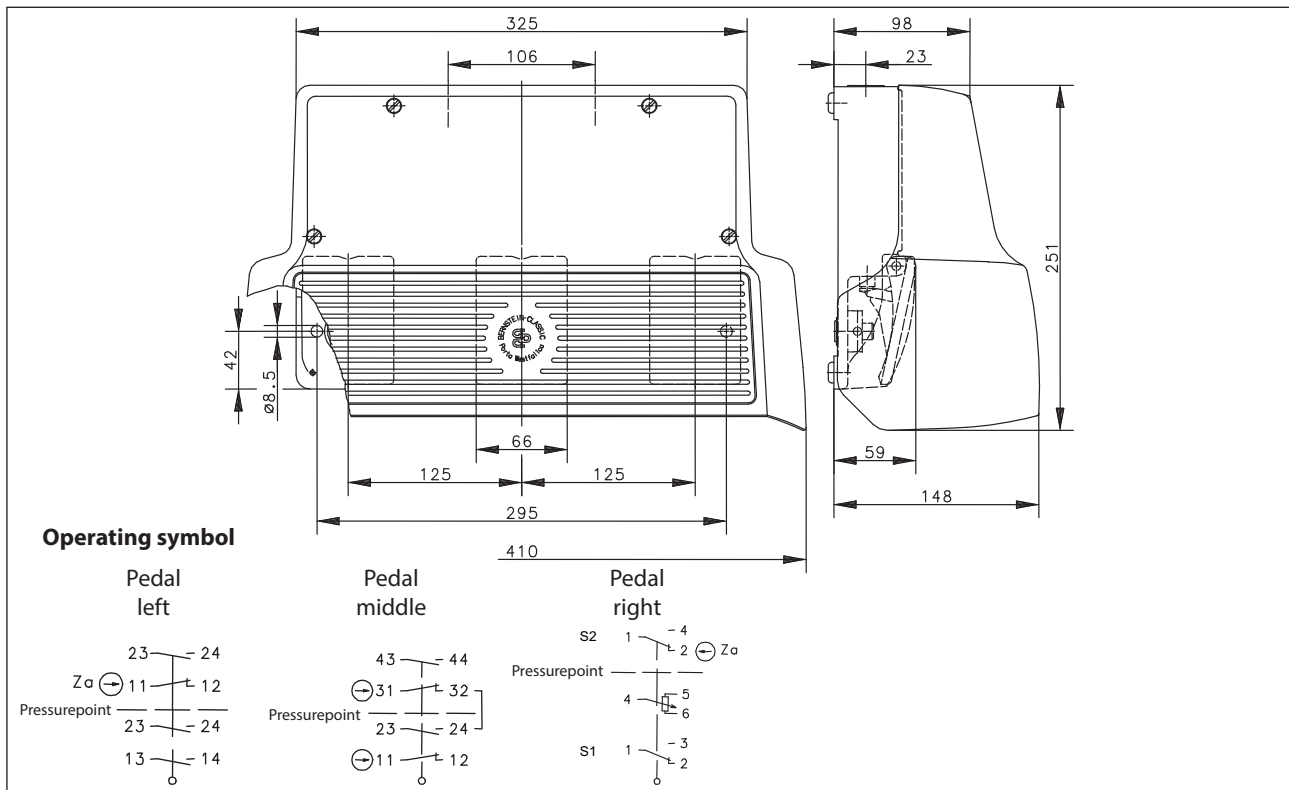


Foot-switch Series F3 UN

Description **F3-E2CU1ZD/U2ZD/RGA1ZD UN**

Article number **6163725695**



Electrical Data		Pedal left	Pedal middle
Rated insulation voltage	U_i	400 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		AC-15, U_e 240 V / I_e 3 A	AC-15, U_e 240 V / I_e 3 A
Direct opening action	⊕	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 10 A gG

Electrical data		Pedal right	
		Microswitch	Potentiometer
Rated current	I	5 A	-
Contact current	I	-	max. 0,1μA
Load	P	-	0,5 W / 40 °C
Rated voltage	U	250 V AC	$U_{max} = \sqrt{P \times R}$
Ferrule resistor	R	-	10 K ± 20 %
Short-circuit protective device		Fuse 2 A gG	-
Protection class		I (referred to the complete foot-switch)	

Mechanical data		
Enclosure		AL-sand casting
Protective guard (Accident protection cover UN)		AL-sand casting
Actuator		Foot lever (PA)
Ambient air temperature		-30 °C ... +80 °C
Contact type	Pedal left	2 NC, 2 NO (Za)
	Pedal middle	2 NC, 2 NO (Zb)
	Pedal right	2 Change-over (S2: Za), 1 Potentiometer (10 kΩ)
Operating force		≈ 10 N (pedal centre)
Mechanical life		3 x 10 ⁶ operating cycles 5 x 10 ⁶ rotation cycles (Potentiometer)
Switching frequency		max. 20 / min
Assembly		2 x M8
Connection	Pedal left	8 x screw terminals (M3,5)
	Pedal middle	8 x screw terminals (M3)
	Pedal right	3, 6
Protection ground		2 x M4
Conductor cross-sections	Pedal left, middle	Solid: 0,5 ... 1,5 mm ² or Litz wire with ferrules: 0,5 ... 1,5 mm ²
	Pedal right	Solid: ≤ 1 mm ² Litz wire with and without ferrules: ≤ 1 mm ²
Cable entrance		2 x M20 x 1,5
Weight		≈ 5,6 kg
Protection type		IP65 acc. to IEC/EN 60529

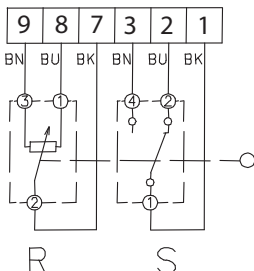
Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
Microswitch	DIN EN 61058-1 (VDE 0630 Teil 1)

EU Conformity	
	acc. to directive 2014/35/EU

Notes

Tapped holes not in use must be closed with blind plugs.
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.

Wiring diagram



If the right pedal depressed, is the potentiometer preset on ≤ 100 Ω. (measured between 1 and 2 at the potentiometer).