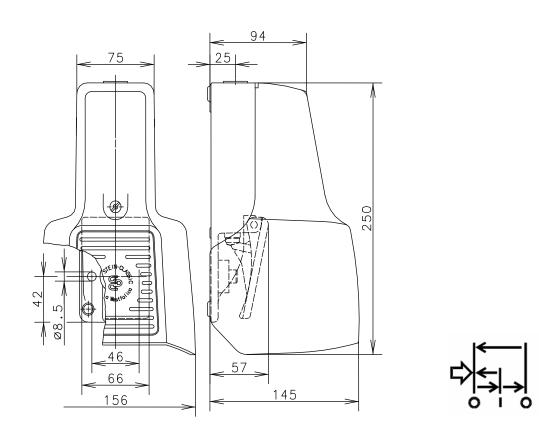
Technical Data

Foot-switch

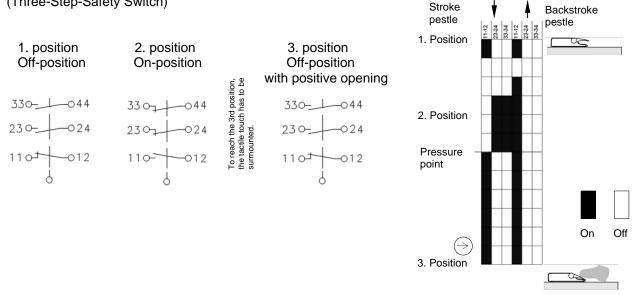
Series F1 UN

Description **F1-ZSD UN**

Article number 6061000558



Switching symbol (Three-Step-Safety Switch)



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Operating diagramme

Technical Data Foot-switch



Electrical data		
Rated insulation voltage	Ui	250 V
Conv. thermal current	I _{the}	5 A
Rated impulse withstand voltage	Uimp	7 -
Rated operational voltage	U _e	240 V AC and 24 V DC
Utilization category		AC-15, U _e /I _e 240 V AC / 1,5 A 50-60 Hz DC-13, U _e /I _e 24 V DC/ 1,0 A
Direct opening action	Θ	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		D-Fuse 4 A gG
Protection class		I
Mechanical data		
Enclosure		AL, die-cast
Protective guard (Accident protection co	ver UN)	AL, die-cast
Actuator		Foot lever (PA)
Ambient air temperature		Operating temperature range: -10 °C to +50 °C
		Storage temperature range: -25 °C to +70 °C
Contact type		1 NC, 2 NO. (Zb)
	1. position	10 N
	2. position	25 N
Pressure point	2. position	≈ 200 N
Mechanical life		~ 200 11
Sequence of the switching position: 1	_ 2 _ 1	10 x 10 ⁶ operating cycles
	-2 - 3 - 1	1×10^6 operating cycles
Switching frequency	-2-3-1	max. 30/min
Assembly		2 x M8
Connection		6 screw connections (M3,5) with square clamps
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 Distoction type		Approx. 1,6 kg IP67 in accordance with IEC/EN 60529
Protection type		1P67 In accordance with IEC/EN 60529
ID for safety engineering		
		E
B10d - value		1 x 10 ⁵
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 61326-3-1
		EN 13849
EU Conformity		acc. to directive 2006/95/EG
Approvals		cUL _{us}

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Technical Data Foot-switch



Function

Normally open contacts: 23 – 24, 33 – 44; Signalling contact: 11 – 12

- Position 1: OFF position of the operating contacts (the pedal is not actuated)
- Position 2: ON position of the operating contacts (the pedal is actuated to as far as the pressure point)
 Position 3: OFF position of the operating contacts (the pedal is fully actuated)

If the three-stage enable switch is actuated in position 2, it returns to position 1 when it is released. The threestage enable switch changes from position 2 to position 3, if it gets further pressed unter after the resistance of the pressure point.

The actuation of the operating contacts is made by a positive opening.

Once the pedal is not pressed, the three-stage enable switch returns to position 1.

The operating contacts are opened in the return stroke.

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.

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Bernstein AG, Tieloser Weg 6, D-32457 Porta Westfalica / www.bernstein.eu