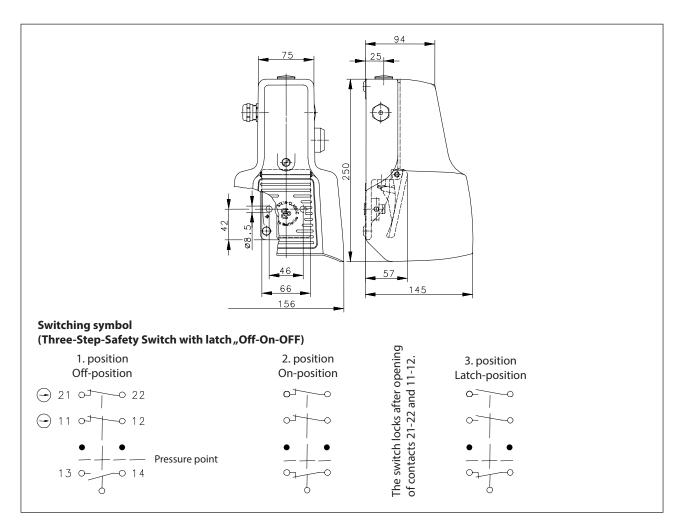


Foot-switch

Series F1

Description F1-SU1ZA2ZDR UN

Article number 6161000559



Electrical Data		
Rated insulation voltage	U _i	400 V AC
Conv. thermal current	l _{the}	10 A
Rated operational voltage	U_e	240 V
Utilization category		AC-15, U __ /I __ 240 V AC / 3 A
Direct opening action	\odot	acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 2 A gG
Protection class		I

Technical Data



Mechanical data			
Enclosure		AL, die-cast	
Protective guard (Accident protection	n cover UN)	AL, die-cast	
Actuator		Foot lever (PA)	
Ambient air temperature		-30 °C to +80 °C	
Contact type		2 NC, 1 NO. (Zb)	
Operating force (pedal centre)		≈ 10 N (pedal centre)	
Pressure point		≈ 200 N	
Mechanical life Sequence of the switching position: or:		3 x 10 ⁶ operating cycles 1 x 10 ⁶ operating cycles	
Switching frequency		max. 50/min	
Assembly		2 x M8	
Connection		screw connections (M3,5)	
Number of connections		6	
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		$2 \times M20 \times 1,5$; $1 \times cable gland M20 \times 1,5$ (clamping-range 6 – 12 mm);	
Weight		≈ 1,5 kg	
Protection type		IP65 in accordance with IEC/EN 60529	

ID for safety engineering	
B10d	2 x 10 ⁶ Schaltspiele

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 ISO 13849-1

EU Conformity		
	acc. to directive 2006/42/EG	

Approvals	
	DGUV
	_c CSA _{US} A300 (same polarity)
	CCC

Technical Data



Function

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".

- 1. The normal work flow is initiated by pressing down the pedal to the pressure point, whereby the contact 13 14 is closed.
- 2. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contacts 11-12 and 21 22 are force disconnected stopping the machine, simultaneously the latch engages and holds the contacts 11-12 and 21-22 in this "Emergency stop" status, preventing an unauthorised re-start of the machine.

Safety for man and machine!

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. The 1. position (Off-position) is restored.

The working process continues.

Notes

The degree of protection specified (IP code) applies only to a properly closed protective guard and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.