

# Foot-switch Series F2 UN

Description **F2-SU1ZUV1D/SU1ZUV1D UN**

Article number **6162000338**

**Operating diagram**

**Switching symbol** Pedal left and right

1. position  
Off-position

2. position  
On-position

3. position  
Latch-position

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

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, $U_e / I_e$ 240 V AC / 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, die-cast
Protective guard (Accident protection cover UN)	AL, die-cast
Actuator	Foot lever (PA)
Ambient air temperature	-30 °C to +80 °C
Contact type	2 NC, 4 NO. (Zb)
Operating force	≈ 10 N (pedal centre)
Pressure point	≈ 200 N
Mechanical life	
without actuating the pressure point	10 x 10 <sup>6</sup> switching cycles
with actuating the pressure point	1 x 10 <sup>6</sup> switching cycles
Switching frequency	max. 50/min
Assembly	2 x M8
Connection	screw connections (M3,5)
Number of connection	12
Protection ground	2 x M4
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup> Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Cable entrance	1 x M20 x 1,5
Weight	≈ 2,6 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
cCSA <sub>US</sub> A300 (same polarity)
UL A300

Safety function
<p>Three-stage safety switch with detent</p> <p>The safety switch block consists of two switching systems in series, which ensure normal operation and, in an emergency, the „emergency stop“ safety function.</p> <p>The safety switching block consists of two series-connected switching systems that ensure normal operation and, in an emergency, the „emergency stop“ safety function.</p> <p>1. normal operation is initiated by pressing the pedal down to the pressure stop, whereby contacts 13 - 14 and 33 - 34 are closed. 2.</p> <p>2. in an emergency situation, the pedal is pressed further beyond a resistance of the pressure point. The NC contact 25 - 26 of the touch system are forcibly opened and thus the working process is stopped. At the same time, the automatic detent comes into effect and holds the contacts (insert switch 1) 13 - 14 and 33 - 34 in the „emergency stop“ position. This prevents uncontrolled further running or a new start of moving machine parts. of moving machine parts.</p> <p>Safety for man and material!</p> <p>3 Only when the push-button on the housing is released are the contacts of the snap-action and feeler system and can be closed again by pressing the pedal - up to the pressure stop. again.</p> <p>The work process continues normally.</p>

**Notes**

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.