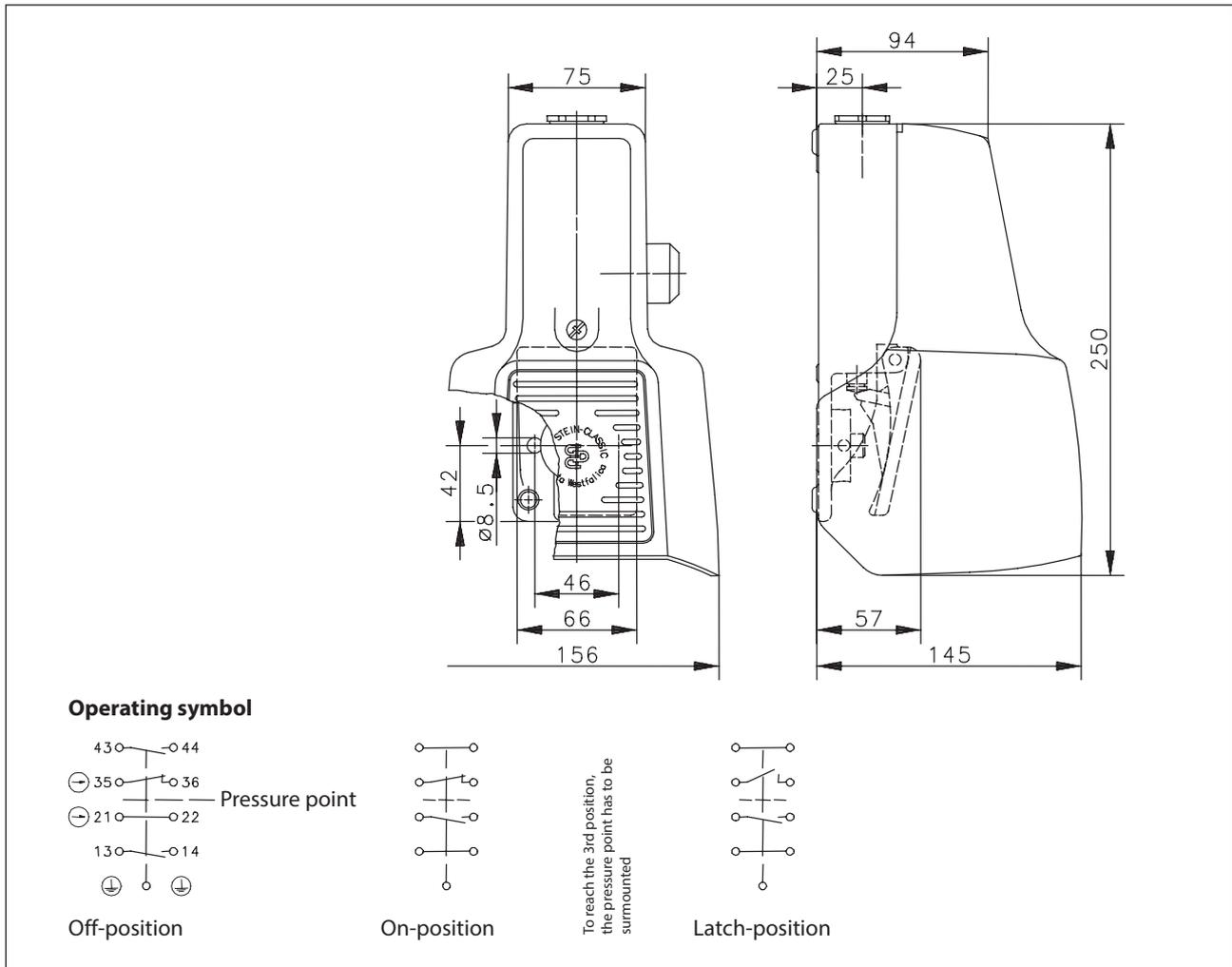


Foot-switch

Series F1

Description **F1-SU1ZDA1Z UN**

Article number **6161000306**



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 / 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 ... +80 ° C
Contact type	2 N.C. / 2 N.O. (Zb)
Operating force	≈ 10 N (pedal centre)
Pressure point	≤ 460 N ± 10 % (pedal centre)
Mechanical life	
without actuating the pressure point	10 x 10 ⁶ switching cycles
with actuating the pressure point	1 x 10 ⁶ switching cycles
Switching frequency	≤ 50/min
Assembly	2 x M8
Connection	screw connections (M3,5)
Number of connections	8
Conductor cross-sections	Solid: 0,5 ... 1,5 mm ² Litz wire with ferrules: 0,5 ... 1,5 mm ²
Cable entrance	1 x Reduzierring M32x1,5 auf M20x1,5
Protection ground	2 x M4
Weight including protective guard	≈ 1,523 kg
Protection type	IP 65 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

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

Notes
<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"> 1. The normal work flow is initiated by pressing down the pedal to the pressure point, where by the contacts 13 – 14 and 43 – 44 are closed in succession. 2. In the case of an emergency, the pedal is pressed as far as it will go beyond the pressure point. The NC contacts 35 – 36 are force-opened and thereby the work process stops. At the same time, the automatic latching function is activated and holds all contacts in "emergency-stop position". This reliably prevents uncontrolled restart of the machine or moving parts. Safety for man and machine! 3. Only after the release of the pushbuttons on the side of the enclosure, the contacts will be released again and can be closed again by pressing the pedal beyond resistance of the pressure point. The working process continues.

Notes
The degree of protection (IP code) specified applies only to a properly closed accident protection cover and in connection with the appropriate cable glands.