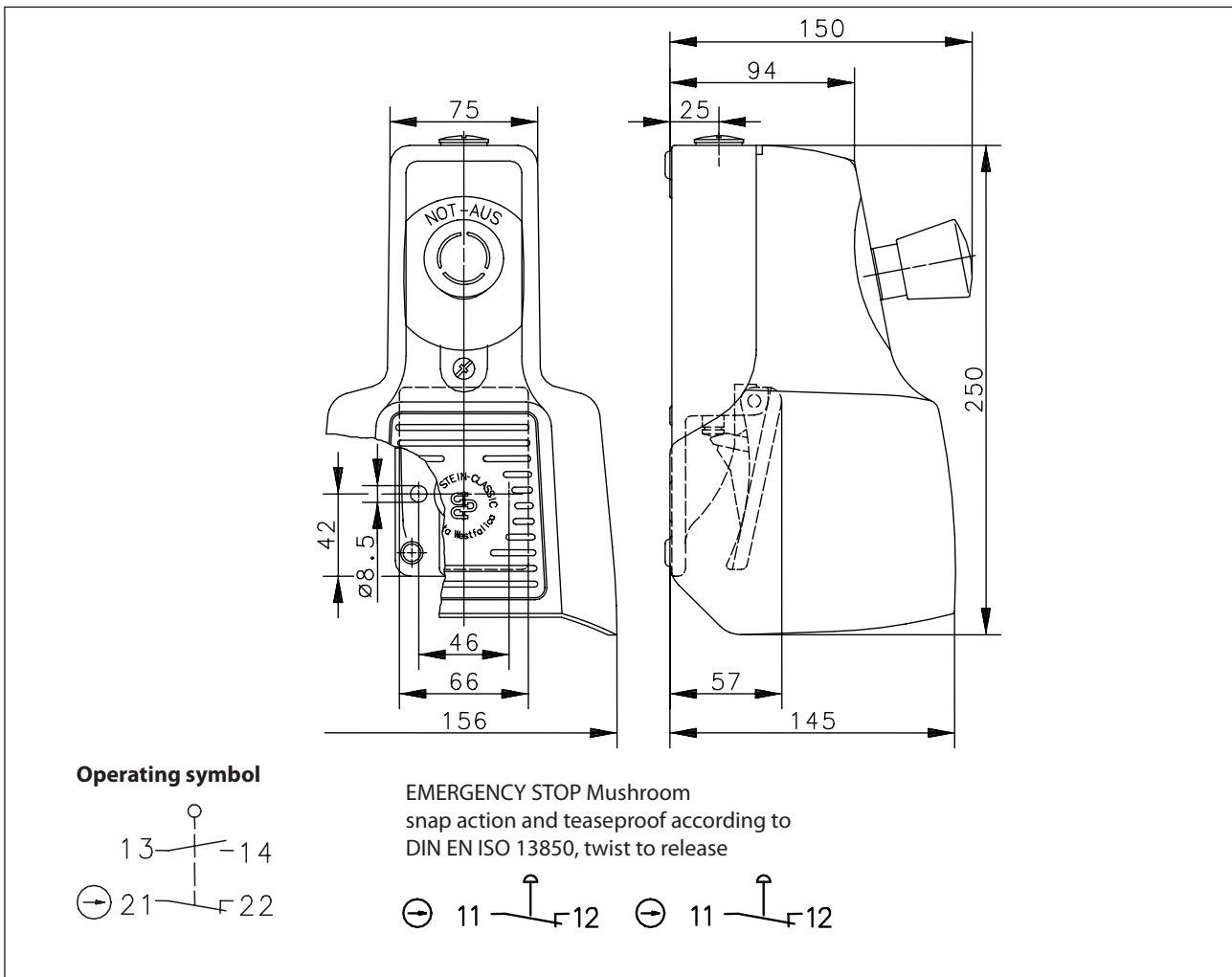


# Foot-switch Series F1

Description **F1-U1ZHVGN A2 UN**

Article number **6161600735**



Electrical Data			
Rated insulation voltage	$U_i$	Contact 400 V AC	Emergency stop 500 V AC
Conv. thermal current	$I_{the}$	10 A	10 A
Rated operational voltage	$U_e$	240 V	230 V
Utilization category		AC-15, $U_e / I_e$ 240 V AC / 3 A	AC-15, $U_e / I_e$ 230 V AC / 6 A
Direct opening action	⊖	acc. to IEC/EN 60947-5-1, annex K	
Short-circuit protective device		Fuse 10 A gG	
Protection class		I (referred to the complete foot-switch)	

<b>Mechanical Data</b>	
Enclosure	AL, die-cast, black (RAL 9005)
Protective guard (Accident protection cover UN)	AL, die-cast, coral red (RAL 3016)
Actuator	Foot lever (PA)
Ambient air temperature	-25 °C ... +70 °C
Contact type	1 N.C. / 1 N.O. (Zb)
Contacts	fine gold-plated (Our guideline values are valid for the gold-plated switch contacts.)
Operating force	≈ 10 N (pedal centre)
Mechanical life	
built-in switch	10 x 10 <sup>6</sup> switching cycles
emergency stop	3 x 10 <sup>5</sup> switching cycles
Switching frequency	≤ 50/min
Assembly	2 x M8
Connection	Screw connections (M3,5)
Number of connections	8 (see switching symbol)
Protection ground	2 x M4
Conductor cross-sections	Solid: 0,5 ... 1,5 mm <sup>2</sup>
built-in switch	Litz wire with ferrules: 0,5 ... 1,5 mm <sup>2</sup>
Conductor cross-sections	2 x 1,0 – 1,5 mm <sup>2</sup>
emergency stop	Litz wire with ferrules: 2 x 0,5 – 1,5 mm <sup>2</sup>
Cable entry size	1 x M20 x 1,5
Weight including protective guard	≈ 1,5 kg
Protection type	IP 65 acc. to IEC/EN 60529

<b>Standards</b>
DIN EN 60947-5-1

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

<b>Notes</b>
Tapped holes not in use must be closed with blind plugs. The degree of protection (IP code) specified applies only to a properly closed accident protection cover and in connection with the appropriate cable glands or blind plugs.