

# Foot-switch Series F1

Description **F1-U1ZA2Z R**

Article number **6161000652**

### Operating diagram

Rest position

Detent position/  
Pedal stopper  
To reach the detent position the pedal are actuated to the stop. Direct opening action at pedal stop.

Scale and proportions can differ

### Operating symbol

<p>Off-position</p>	<p>Latch-position</p>
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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		acc. to IEC/EN 60947-5-1, Annex K (pedal stop)
Short-circuit protective device		Fuse 6 A gG
Protection class		I

Mechanical Data	
Enclosure	AL, die-cast, yellow
Protective guard	AL, die-cast, yellow
Actuator	Foot lever (PA), red
Ambient air temperature	-30 ° C ... +80 ° C
Contact type	3 N.C. / 1 N.O. (Zb)
Operating force	≈ 10 N (pedal centre)
Mechanical life	1 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 30/min
Assembly	2 x M8
Connection	screw connections (M3,5)
Number of connections	8
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	3 x M20x1,5
Protection ground	2 x M4
Weight including protective guard	≈ 0,68 kg
Protection type	IP 67 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	
The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.	
The pedal remains depressed in latch function.	