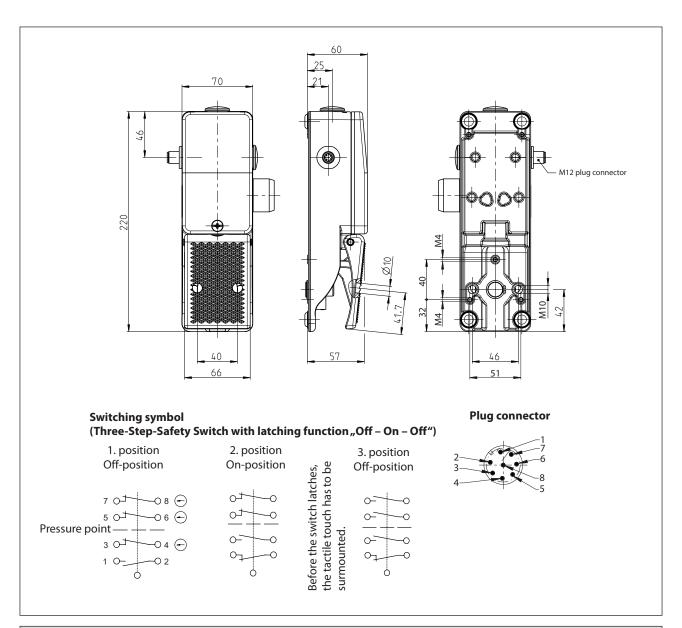


Foot-switch

Series F1

Description F1-SU1ZCA2ZDR

Article number 6161500794



Electrical Data			
Rated operational voltage	U _e	30 V	
Utilization category		AC-15, U _e /I _e 30 V AC / 1,5 A	
Direct opening action	\odot	acc. to IEC/EN 60947-5-1, annex K (pedal stop)	
Short-circuit protective device		Fuse 2 A gG	
Protection class		III, safety extra-low voltage	

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Technical Data



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 (each pedal)	3 NC, 1 NO. (Zb)
Operating force (pedal centre)	10 N
Pressure point (each pedal)	≈ 460 N
Mechanical life (each pedal) Sequence of the switching position: $1-2-1$ or: $1-2-3-1$	3 x 10 ⁶ operating cycles 1 x 10 ⁶ operating cycles
Switching frequency	max. 30/min
Assembly	2 x M10
Connection	M12 plug connector, 8 poles, A coded
Weight	≈ 1,5 kg
Protection type	IP65 in accordance with IEC/EN 60529

Regulations	
	DIN EN 60947-5-1

Function

Three stage safety footswitch with latch

The safety footswitch contacts are wired in series, this allows normal machine operation with the advantage of a safety latched "Emergency stop" if the pedal is fully depressed.

- 1. Machine start is enabled by depressing pedal to the pressure point, this closed the normally open contacts 13-14 and opened the normally closed contacts 21-22.
- 2. In an emergency, the pedal is fully depressed (beyond the pressure point). The normally closed contacts 31-32 and 41 42 are force disconnected stopping the machine, simultaneously the latch engages and holds the contacts 31-32 and 41-42 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.

Notes

The specified protection classification (IP code) applies only when the cover is closed and the use of an equivalent connector. The connector must not be connected or disconnected when voltage is applied.

The mechanical life of the connector is 100 connection cycles.