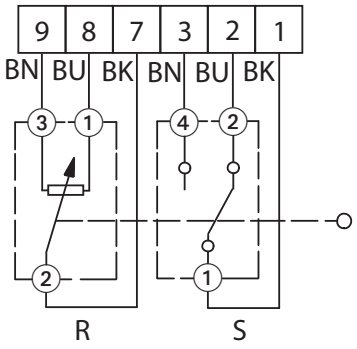
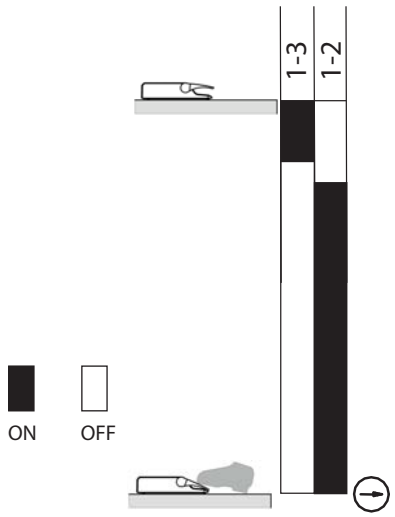
Foot-switch
Series MF1

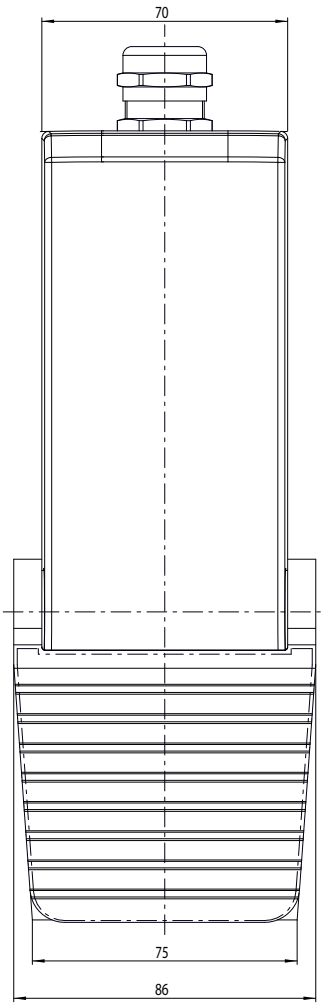
Description **MF1-A500-A-99**	Article number **6160100015**

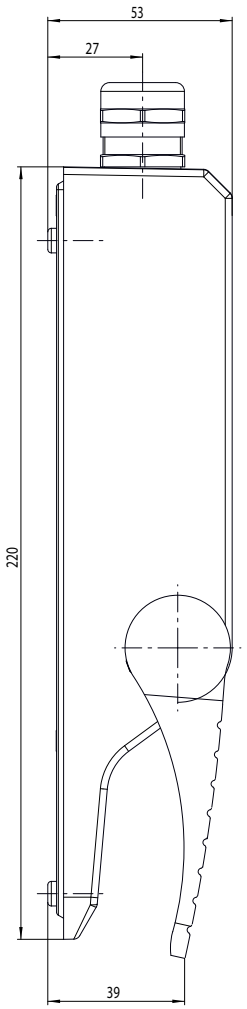
Operating symbol



Operating diagram







Electrical data	Microswitch	Potentiometer
Rated current	0,5 A	-
Contact current	-	1 µA
Rated operating voltage	30 V DC	30 V DC
Ferrule resistor	-	5 KΩ ±20 %
Max. wiper current in case of malfunction	-	10 mA
Power rating	-	0,5 W / 40 °C
Protection class	I (based on foot-switch complete)	

Mechanical data		
Enclosure		AL, die-cast (powder-coated), Pantone Cool Gray 2c
Cover		AL, die-cast (powder-coated), Pantone Cool Gray 2c
Actuator		1 pedal (thermoplastic) RAL7036
Ambient air temperature @	t = ∞ t ≤ 2 h (cleaning)	-10 °C ≤ T ≤ +80 °C -10 °C ≤ T ≤ +95 °C
Normal use condition	temperature air humidity atmospheric pressure	+10 °C ≤ T ≤ +40 °C 5 % … 95 % - no condensation 700 hPa … 1060 hPa
Storage and transport condition	temperature air humidity atmospheric pressure	-20 °C ≤ T ≤ +80 °C 5 % … 95 % - no condensation 700 hPa … 1060 hPa
Contact type		Potentiometer with microswitsch (changeover contact)
Operating force		15 N ± 10 %
Mechanical life		50000 rotation cycles of the potentiometer
Switching frequency		≤ 20 operating cycles/min
Connection		6 connections (screw terminals M2)
Conductor cross-sections		Solid: ≤ 1,5 mm^2 Litz wire with or without ferrules: ≤ 1 mm^2
Protection ground		2 x M4
Cable entrance		1 x cable gland M20 x 1,5 (clamping range Ø 7,0 ... 12,0 mm)
Weight		≈ 1,3 kg
Protection type		IPX8 acc. to IEC/EN 60529 (0,15 bar / 1 h)

Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	IEC 60601-1
	UL 60601-1

EU Conformity	
	acc. to directive 2006/42/EC

Approvals	
Only if approved components are used	c UL us

Test	
	AP

Notes
The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland. Selection of components and installation of the grounding equipment conductor must fulfil IEC 60601-1 / UL 60601-1 requirements.