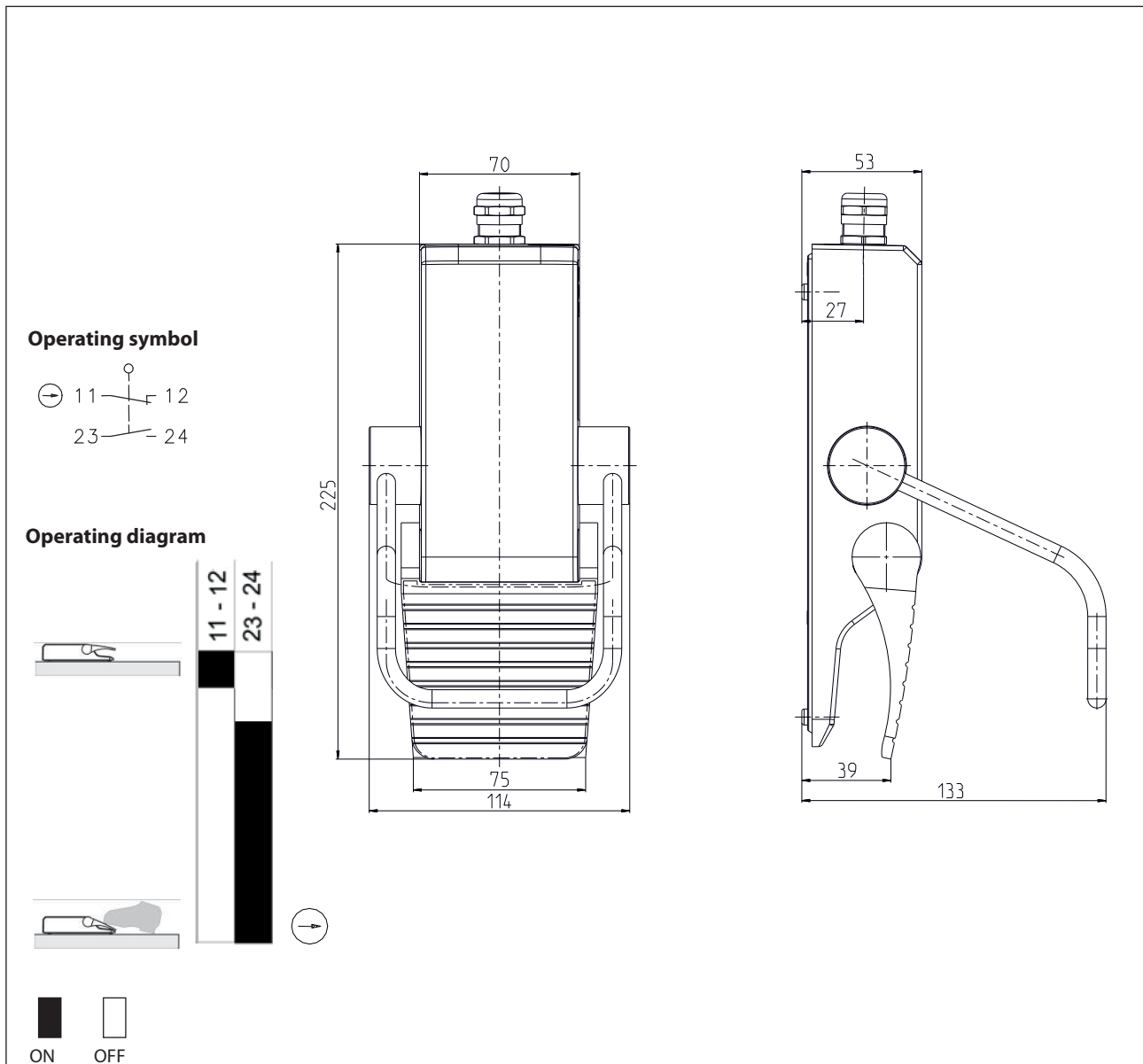


Foot-switch
Series MF1

Description **MF1-100-AL-0**

Article number **6060100037**



Electrical Data		
Rated operational voltage	U_e	≤ 30 V DC
Rated operational current	I_e	$\leq 0,5$ A
Direct opening action	⊖	acc. to IEC/EN 60947-5-1, Annex K
Protection class		I

Mechanical data	
Enclosure	AL, die-cast (powder-coated), Pantone Cool Gray 2c
Cover	AL, die-cast (powder-coated), Pantone Cool Gray 2c
Hoop guard	Niro
Actuator	1 pedal (thermoplastic) RAL 7036 (platinum grey)
Ambient air temperature @ $t = \infty$	$-10\text{ °C} \leq T \leq +80\text{ °C}$
$t \leq 2\text{ h}$ (cleaning)	$-10\text{ °C} \leq T \leq +95\text{ °C}$
Normal use condition	temperature $+10\text{ °C} \leq T \leq +40\text{ °C}$ air humidity 5 % ... 95 % - no condensation atmospheric pressure 700 hPa ... 1060 hPa
Storage and transport condition	temperature $-20\text{ °C} \leq T \leq +80\text{ °C}$ air humidity 5 % ... 95 % - no condensation atmospheric pressure 700 hPa ... 1060 hPa
Contact type	1 changeover (Zb)
Operating force	15 N \pm 10 %
Mechanical life	$> 1 \times 10^6$ operating cycles
Switching frequency	50 switching cycles / min
Connection	screw connections
Conductor cross-sections	Solid: 0,5 – 1,5 mm ² Litz wire with or without ferrules: 0,5 – 1,5 mm ²
Protection ground	2 x M4
Cable entrance	1 x cable gland M16 x 1,5 (clamping range 3-7 mm)
Weight	$\approx 1,26\text{ kg}$
Protection type	IPX8 acc. to IEC/EN 60529 (0,15 bar / 1 h)

ID for safety engineering	
B10d	2×10^6 cycles

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
	DIN EN ISO 13849-1

EU Conformity	
	acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)

Approvals	
Only if approved components are used	

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.	