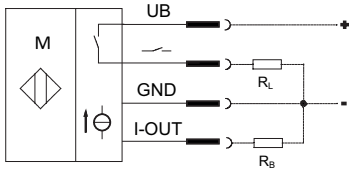
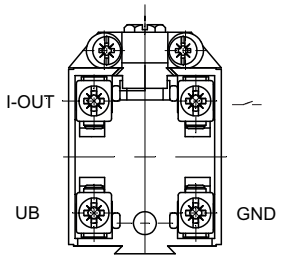
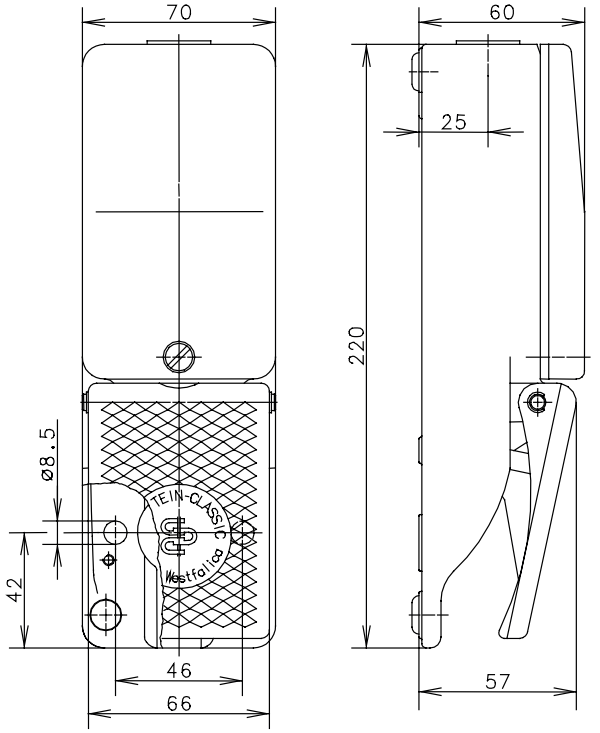
Foot-switch
Series F1

Description **F1-AI4-20mA**	Article number **6161500726**

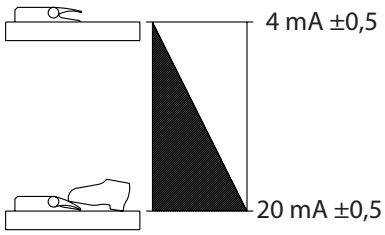
Wiring diagram







Characteristic





Electrical Data		
Rated operating voltage range	U_B	12 - 26 V DC
Idle current	I_o	< 25 mA
Short-circuit protection type switching element		synchronising, permanently short-circuit and overload protected
Reverse polarity		yes
Readiness delay	t_v	< 50 ms
Protection class		III (safety extra-low voltage)
Analogue output		
Current output		4 – 20 mA
Linearity errors max.		± 2,5 % from the end value (20 mA), U_B and temperature at a constant level
Temperature errors max.		± 10 % U_B constant level
Repetition accuracy	R	≤ 2 % from the end value (20 mA), U_B and temperature at a constant level
max. load resistor	R_B	400 Ω
Switching output		
switching element function	S	PNP NO (teachable)
Hysteresis	H	≈ 10 %
Voltage drop	U_d	≤ 1,6 V
Utilization category		DC 12
Rated operational currents	I_e	200 mA
Minimum operating current	I_m	1 mA
Residual current	I_r	< 0,1 mA

Mechanical data	
Enclosure	AL, die-cast
Cover	AL, die-cast
Actuator	Foot lever (PA)
Ambient air temperature	-30° C ... +80° C
Operating force	≈ 10 N (pedal centre)
Mechanical life	10 x 10^6 operating cycles
Switching frequency	max. 50 / min
Assembly	2 x M8
Connection	screw terminals (M3,5)
Number of connections	4
Conductor cross-sections	Solid: 0,5 ... 1,5 mm^2 or Litz wire with ferrules: 0,5 ... 1,5 mm^2
Cable entrance	1 x M20 x 1,5
Weight	≈ 1,5 kg
Protection type	IP65 acc. to IEC/EN 60529

Standards
EN 60947-5-7

EU Conformity [1)]
acc. to directive 2014/30/EU (EMC-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. [1)]To be conform with the EMV guideline (2014/30/EU) a shielded connection cable has to be used.