Dimensions

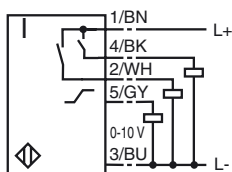## Order Code

PMI360D-F130-UE8-V15-Y208934
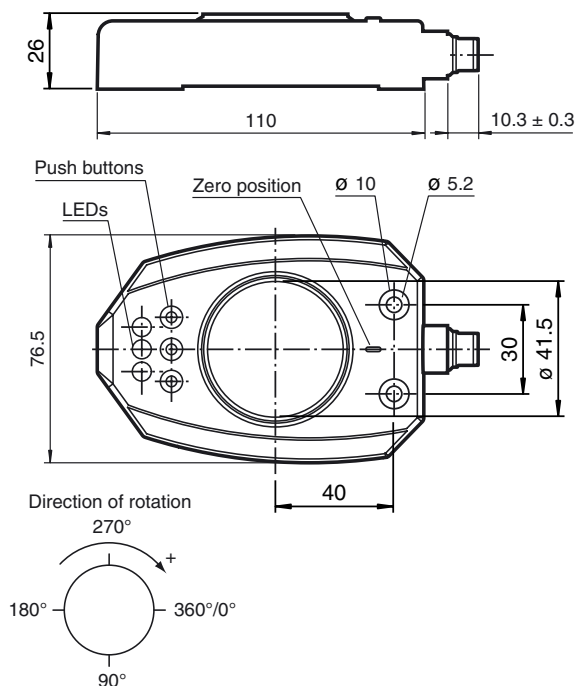
Features

• Measuring range 0 ... 360°
• Adjustable switch points
• Analogue output 0 V ... 10 V

Technical Data

General specifications	
Installation	not embeddable
Measuring range	360°
Rotational speed	≤ 100 min^{-1}
Nominal ratings	
Operating voltage U_B	18 ... 30 V
Reverse polarity protection	protected against reverse polarity
Repeat accuracy	0.5°
Resolution	0.4°
Temperature drift	1.5° (-25 °C ... 70 °C)
No-load supply current I_0	≤ 45 mA
Operating voltage display	LED green
Switching output	
Output type	2 switch outputs pnp, NO , protected against reverse polarity , short-circuit proof
Operating current I_L	≤ 100 mA
Voltage drop	≤ 3 V
Short-circuit protection	pulsing
Analogue output	
Output type	1 voltage output: 0 ... 10 V
Linearity error	≤ 1.2 °
Load resistor	≥ 1000 Ω
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Mechanical specifications	
Connection type	connector M12 x 1, 5-pin
Housing material	PBT
Shaft diameter	≤ 27.5 mm Steel
Protection degree	IP67
Mass	180 g

Electrical Connection

Description of Sensor Functions

This Sensor provides functions, which are different from the series standards!
Note:
The basic parts of the standard devices instruction manual is also valid for this sensor. It is supplemented or partly replaced by the description below.

Programming of the Sensor
When connecting the sensor to the power supply, the sensor's Programming Buttons are locked. The green power on indicator LED is permanently on.

Activation of the Programming Mode
To aktivate the programming mode, press both Programming Buttons S1 and S2 simultaneously for 10 s. The sensor shifts to programming mode. This is indicated by a flashing green LED.
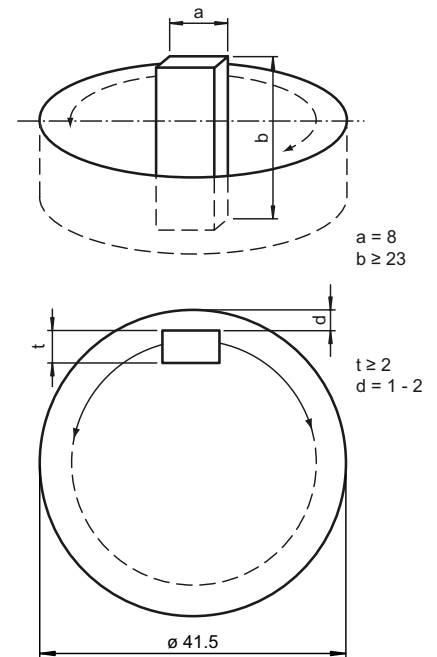
Programming of the Switch Points and the Analog Range
Programming of the switch points and the analog range can now be performed like described in the instruction manual. Instead of the described current output this sensor provides with a voltage autput. While programming the analog range, all LEDs S0, S1 and S2 flash.

Completing the Programming mode
To complete the programming mode, press both Programming Buttons S1 and S2 simultaneously for 10 s. The sensor shifts to normal operation mode. This is indicated by the grenn LED, which is now permanently on.

Characteristic Curves/Additional Information

dimensions of the target object:

a = 8
b ≥ 23

t ≥ 2
d = 1 - 2

ø 41.5

Accessories

BT-F130-A
Activator

V15-G-2M-PVC
Cable connector

V15-W-2M-PVC
Cable connector