

Model Number

PMI360D-F130-IE8-V15

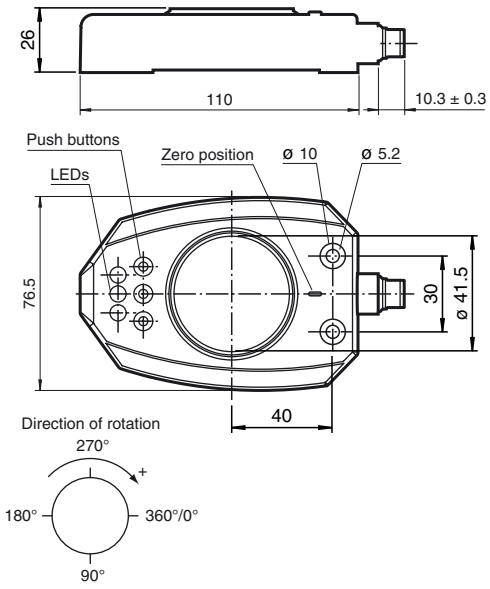
Features

- **Measuring range 0 ... 360°**
- **Analog output 4 mA ... 20 mA**
- **Adjustable switch points**

Technical data

General specifications	
Installation	non-flush
Measurement range	360°
Rotational speed	≤ 100 min^{-1}
Nominal ratings	
Operating voltage U_B	18 ... 30 V
Reverse polarity protection	reverse polarity protected
Repeat accuracy	± 0.25 °
Resolution	0.4°
Temperature drift	0.02 ° / °C (-25 °C ... 70 °C)
No-load supply current I_0	≤ 45 mA
Operating voltage display	LED green
Functional safety related parameters	
$MTTF_d$	265 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %
Switching output	
Output type	2 switch outputs PNP, NO , reverse polarity protected , short-circuit protected
Operating current I_L	≤ 100 mA
Voltage drop	≤ 3 V
Short-circuit protection	pulsing
Analog output	
Output type	1 current output: 4 ... 20 mA
Linearity error	± 0.6 ° , (with original actuator)
Load resistor	≤ 400 Ω
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	M12 x 1 connector, 5-pin
Housing material	PBT
Shaft diameter	≤ 27.5 mm Steel
Protection degree	IP67
Mass	180 g
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates	
UL approval	cULus Listed, General Purpose, Class 2 Power Source
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

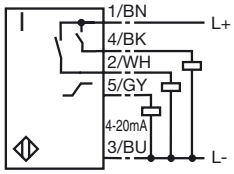
Dimensions



Release date: 2012-12-11 14:03 Date of issue: 2012-12-11 199092_eng.xml

Subject to reasonable modifications due to technical advances. Copyright Pepperl+Fuchs, Printed in Germany

Electrical Connection



Accessories

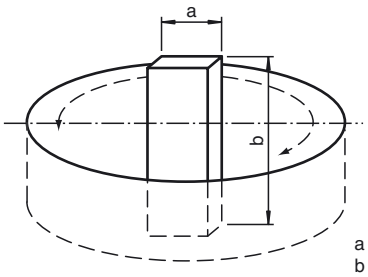
BT-F130-A
Actuator for F130 series

V15-G-2M-PVC
Cable socket, M12, 5-pin, PVC cable

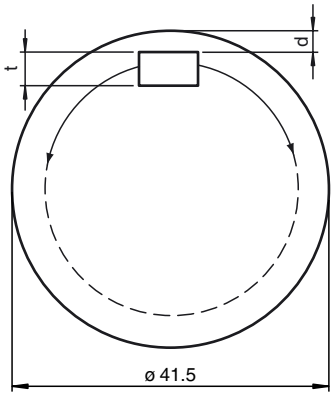
V15-W-2M-PVC
Cable socket, M12, 5-pin, PVC cable

Additional Information

dimensions of the target object:



a = 7.5
b ≥ 23



t ≥ 2
d = 1 - 2

Release date: 2012-12-11 14:03 Date of issue: 2012-12-11 199092_eng.xml

Subject to reasonable modifications due to technical advances. Copyright Pepperl+Fuchs, Printed in Germany
Pepperl+Fuchs Group • Tel.: Germany +49 621 776-0 • USA +1 330 4253555 • Singapore +65 67799091 • Internet http://www.pepperl-fuchs.com