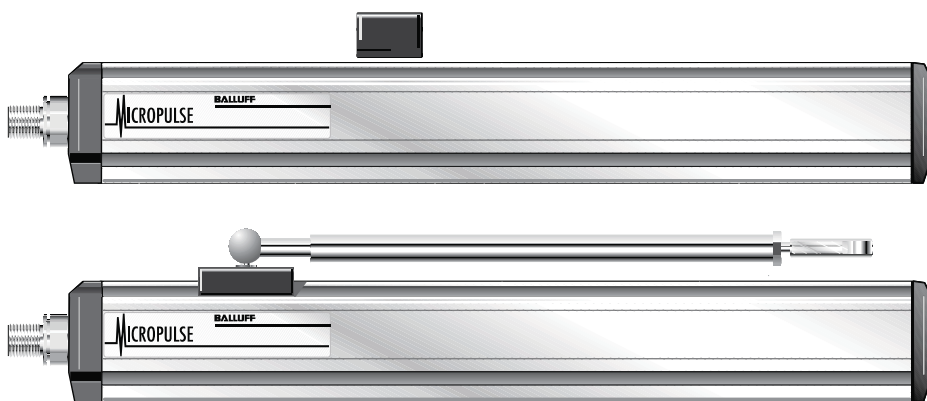


BTL6-A/E_-M____-P-S115

Micropulse SLT™ Linear Position Transducer
Profile Housing
Analog Output



MICROPULSE®

The Micropulse SLT™ is a linear position transducer based on field-proven magnetostrictive technology.

- 0-10V or 4-20 mA Output
- Floating or Captive Magnet
- Measuring Lengths from 2" to 60"

Specifications

Measurement Type	Position
Output	0-10 Vdc and 10-0 Vdc (A110) or 4-20 mA (E100) / 20-4 mA (E170)
Resolution	≤ 10µm
Repeat Accuracy	≤ 10µm
Non-linearity	Stroke length ≤ 500 mm ± 100µm Stroke length > 500 mm ± 0.02% of full scale
Update Rate	1 ms
Operating Voltage	+ 24 Vdc ± 20%
Current Draw	≤ 150 mA
Reverse Polarity Protected	Yes
Overvoltage Protected	Yes
Operating Temperature	-40 to +80°C
Storage Temperature	-40 to +100°C
Protection Class	IP 67
Vibration Rating	12g, 10 to 2000 Hz per IEC 68-2-6
Shock Rating	100g, 6 ms per IEC 68-2-27
Housing Material	Anodized aluminum
Approvals	CE approved



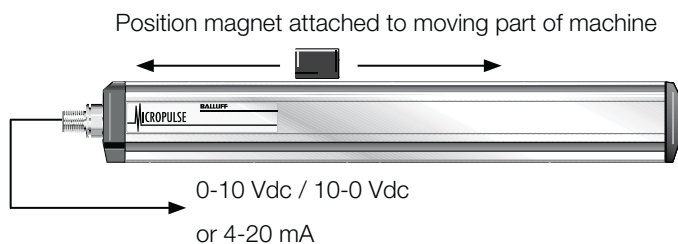
Analog Output Options

The following versions are available:

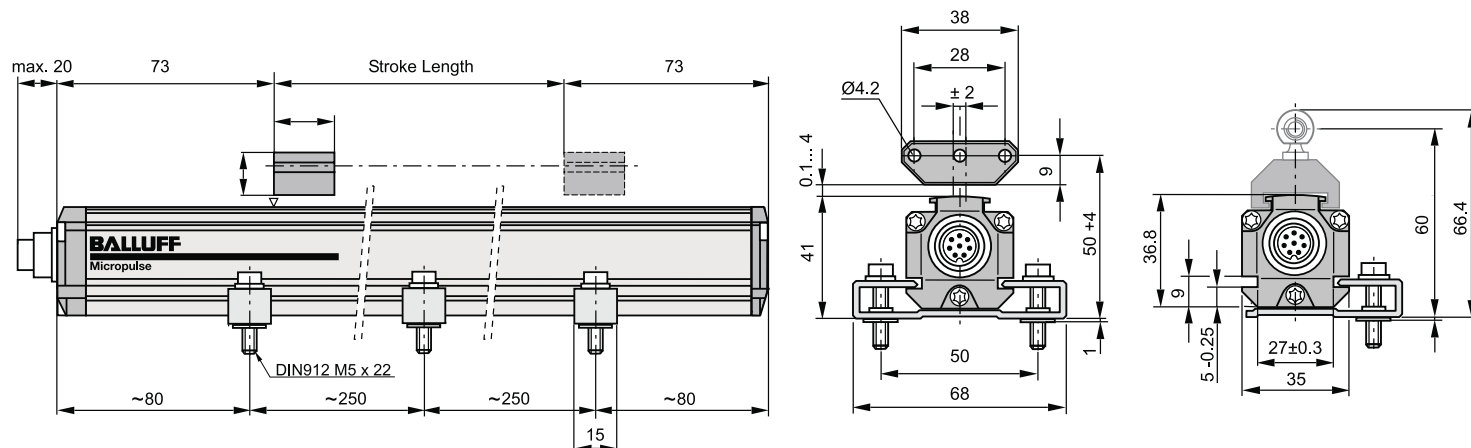
0-10V and 10-0V (BTL6-A110-...)

4-20 mA (BTL6-E100-...)

20-4 mA (BTL6-E170-...)



Installation



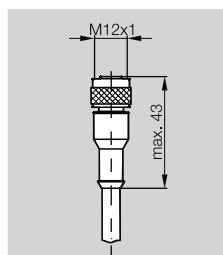
Mounting Instructions

Mounting clamps, along with M5 x 22 socket-head screws and plastic isolation washers are supplied with transducer.

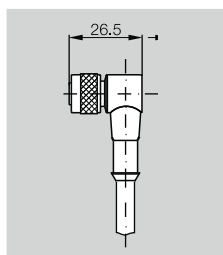
Additional mounting feet must be purchased separately.

Stroke Length (in.)	# of mounting feet supplied
2-18	2
20-36	4
40-60	6
70-110	8

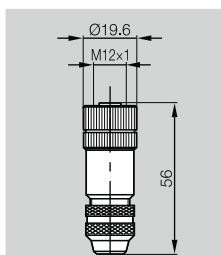
Wiring Instructions/ Connector Drawing / Wiring Diagram



BKS-S115-PU-__*

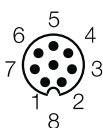


BKS-S116-PU-__*



BKS-S115-00

* Specify cable length in meters: 02, 05, 10, 15, 20, 25



Pin numbering
for connector,
male pin view

Pin	Analog Voltage Output BTL6-A1__-	Analog Current Output BTL6-E1__-	Wire Color
1	Not used	Not used	Yellow
2	Signal Common (GND)	Signal Common (GND)	Grey
3	Output Signal 10...0V	Not used	Pink
4	Not used	Not used	Red
5	Output Signal 0...10V	Signal Output 4...20 mA (BTL6-E100-...) Signal Output 20...4 mA (BTL6-E170-...)	Green
6	Supply GND	Supply GND	Blue
7	Supply Voltage +24 Vdc	Supply Voltage +24 Vdc	Brown
8	Not used	Not used	White

How to Order

Output Type/ Operating Voltage

A110 = 0-10V and 10-0V output, +24V ±20% Supply Voltage

E100 = 4-20 mA output, +24V ±20% Supply Voltage

E170 = 20-4 mA output, +24V ±20% Supply Voltage

BTL6-xxxx-Mxxxx-P-S115/PKx

Connector

S115 = 8-pin M12 Micro Connector

Magnet Type

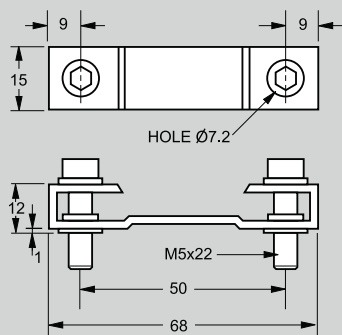
PK3 = Captive Sliding Magnet, **BTL5-F-2814-1S**, included

PK4 = Floating Magnet, **BTL5-P-3800-2**, included

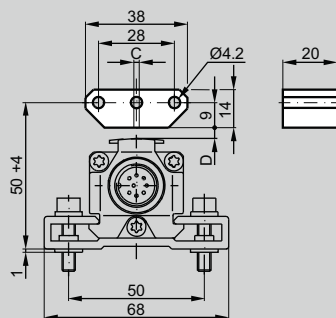
Stroke Length (in millimeters)

mm	in.	mm	in.	mm	in.	mm	in.
0051	2	0305	12	0762	30	1220	48
0077	3	0330	13	0813	32	1270	50
0102	4	0381	15	0914	36	1372	54
0127	5	0407	16	1016	40	1524	60
0152	6	0457	18	1067	42		
0178	7	0508	20	1778	70		
0203	8	0560	22	2032	80		
0230	9	0610	24	2286	90		
0254	10	0661	26	2540	100		
0280	11	0711	28	2794	110		

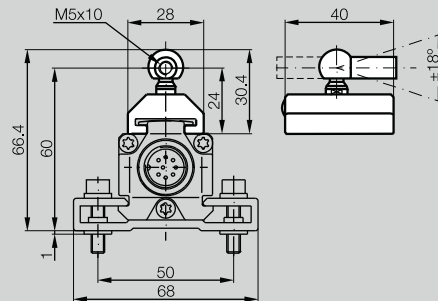
Accessories



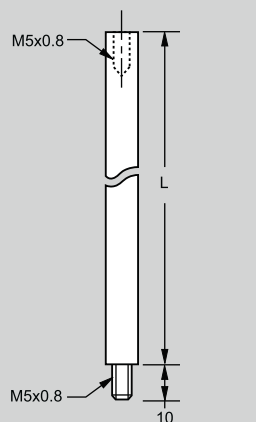
Mounting Feet
BTL5-A-MF05-A-P/M5



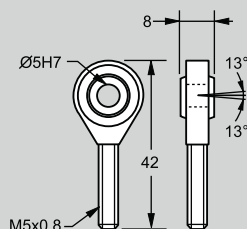
Floating Magnet
BTL5-P-3800-2



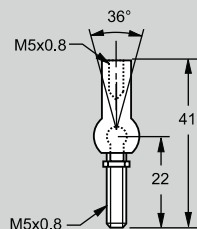
Captive Magnet
BTL5-F-2814-1S



Control Arm
BTLZ-5-GS08-...-A



Swivel Eye
BTL5-SWIVEL-EYE



Ball Joint
BTL5-A-BJ01

NOTE:
Mounting feet and magnet are included.
Other accessories must be ordered separately.

* length in "mm"

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