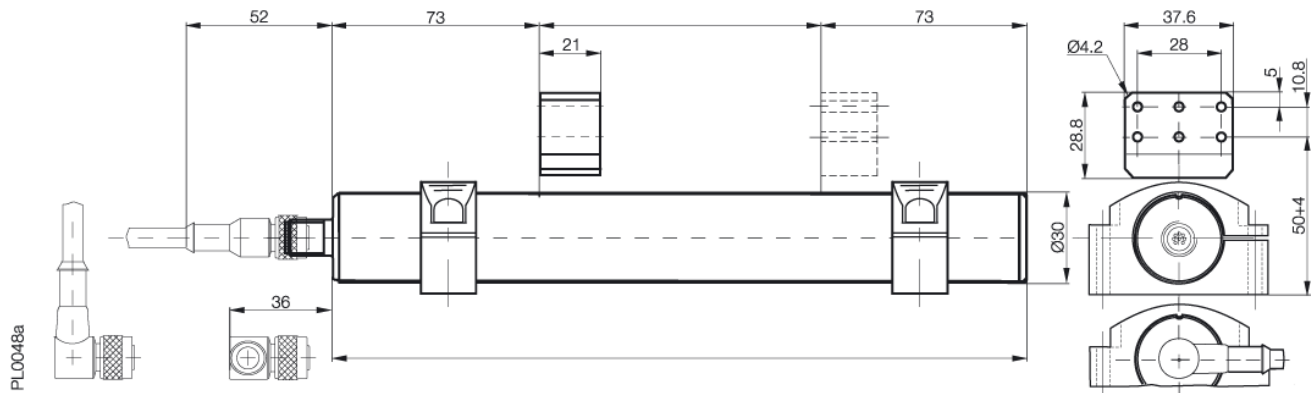


**AT**  
**Interface: I**  
**BTL6-P11.-M....-A1-S115**

**Micropulse transducer BTL**



**Technical Data**

Transducer interface	Impuls P110
Input interface	Impuls P110
System resolution	depending on processing electronics
Repeatability	<10µm
Repeat accuracy	<20µm
Resolution	<10µm
max.non-linearity	< +200µm up to L=500mm; typ. 0,02%, max. 0,04% at L=500...1500mm
Supply voltage	20...28V DC
Current draw	<60 mA (at 1kHz)
Operating temperature	0...70°C
Storage temperature	-40...100°C
Shock load	50g / 6ms per IEC60068-2-27
Vibration	12g, 10...2000 Hz per IEC 60068-2-6
Polarity reversal protected	yes
Overvoltage protection	yes
Enclosure rating per IEC 60529	IP 67 (with BKS-S... IP 67 connector attached)
Housing material	Al anodized
Mounting	Compression clamps
Connection type	Connector M12, 8-pin Standard
RF emission	EN 55011 Group 1, Class A+B
Static electricity (ESD)	IEC 61000-4-2 Severity Level 3
Electromagnetic fields (RFI)	IEC 61000-4-3 Severity Level 3
Fast transients (BURST)	IEC 61000-4-4 Severity Level 4
Line-carried noise	IEC 61000-4-6 Severity Level 3
Line-carried noise, induced by high-frequency fields	IEC 61000-4-8 Severity Level 4
Accessories	Magnet, Clamp and Connectors please order separately

Pin assignments	Pin	BTL6-P11.-M...
In-/output signals	Input 1	INIT
	Output 2	START/STOP
	Input 3	INIT
	Output 5	START/STOP
Supply voltage	6	GND
	7	+24 V DC

Connect shield to housing,  
pins 4 and 8 must remain unconnected.