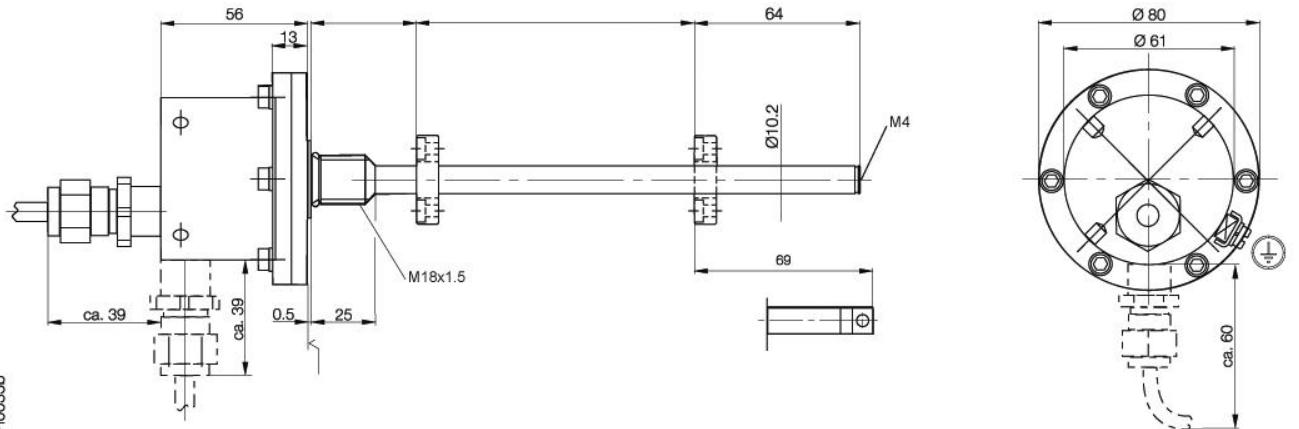


B**Interface:DEX****BTL5-A11-M....-B-DEX.-K..****Micropulse transducer BTL**

PI0055b



Technical Data

Output signal	analog		
Transducer interface	A		
Input interface	analog		
Output voltage	0...10V and 10...0V		
Load current	max. 5mA		
max.ripple	<5mV		
System resolution	<0,1mV		
Hysteresis	<4µm		
Repeatability	resolution / min. 2µm		
Sampling rate	1kHz		
max.non-linearity	+/-100µm up to L=500mm; 0,02% FS at L>500mm		
Temperature coefficient Voltage output	[150µV/°C+(5ppm/°CxPxU/L)]x(T2-T1)		
Supply voltage	24V DC ±20%		
Current draw	<150mA		
Operating temperature	-40...85°C		
Storage temperature	-40...100°C		
Shock load	100g / 6ms per IEC60068-2-27 and 100g / 2ms per IEC60068-2-29		
Vibration	12g, 10...2000 Hz per IEC 60068-2-6		
Polarity reversal protected	yes		
Oversupply protection	Transzorb protection diodes		
Dielectric constant	500 V (GND to housing)		
Enclosure rating per IEC 60529	IP 67		
Housing material	Stainless steel 1.4305		
flange- and tube material	Tube stainless 1.4571, flange 1.4571 or 1.4429 or 1.4404		
Mounting	Thread M18x1.5		
Pressure rating	600 bar		
Connection type	Cable		
Explosion protection	EN 55011 Group 1, Class A		
RF emission	EN 55011 Group 1, Class A		
PTB Nr.:	IEC 61000-4-2 Severity Level 3		
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, induced by high-frequency fields			
Explosion protection			
PTB Nr.:			
Accessories			
	Pin assignments Pin Color BTL5-A11...		
Output signals	1 YE		
	2 GY	0 V Output	
	3 PK	10...0 V	
	5 GN	0...10 V	
Supply voltage	6 BU	GND	
	7 BN	+24 V DC	
	8 WH		
	Connect shield to housing		

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