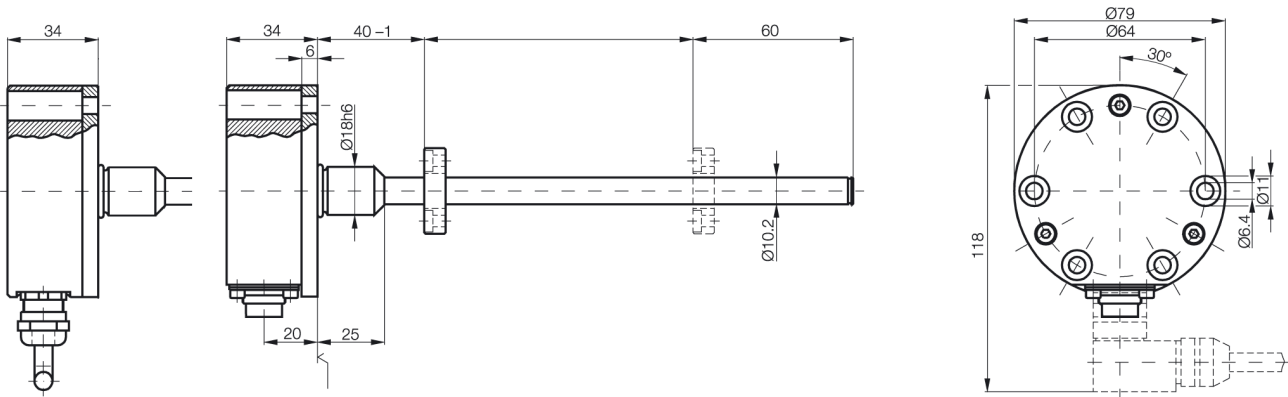


**K**  
**Interface:NEX**  
**BTL5-P1-M....-K-NEX-....**

**Micropulse transducer BTL**



**Technical Data**

Transducer interface	Impuls P
Input interface	Impuls P
System resolution	processing-dependent
Hysteresis	<4µm
Repeatability	2µm bzw. 1 Digit, processing-dependent
Resolution	<2µm
Sampling rate	F standard = 1kHz = < 1400mm
max.non-linearity	+100µm up to L=500mm; 0,02% FS at L>500mm
Temperature coefficient of overall system	(6µm +5ppm x L) /°C
Supply voltage	24 V DC ±20%
Current draw	<100mA
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
Overvoltage protection	Transzorb protection diodes
Dielectric constant	500 V DC (ground to housing)
Enclosure rating per IEC 60529	IP 67 (with BKS-S... IP 67 connector attached)
Housing material	Stainless steel 1.4305
flange- and tube material	Tube stainless 1.4571, flange 1.4571 or 1.4429 or 1.4404
Mounting	flange with 6 mounting holes
Pressure rating	600 bar
Connection type	Cable or Connector
RF emission	IEC 61000-4-2 Severity Level 3
Static electricity (ESD)	IEC 61000-4-3 Severity Level 3
Electromagnetic fields (RFI)	IEC 61000-4-4 Severity Level 4
Fast transients (BURST)	IEC 61000-4-6 Severity Level 3
Explosion protection	EEx n
Accessories	Magnets and Connector please order separately

Pin assignments	Pin	Color	BTL5-P1-M...
Input/output signals	1	YE	INIT
	2	GY	START/STOP
	3	PK	INIT
	5	GN	START/STOP
Supply voltage	6	BU	GND
	7	BN	+24 V DC
	8	WH	

Connect shield to housing