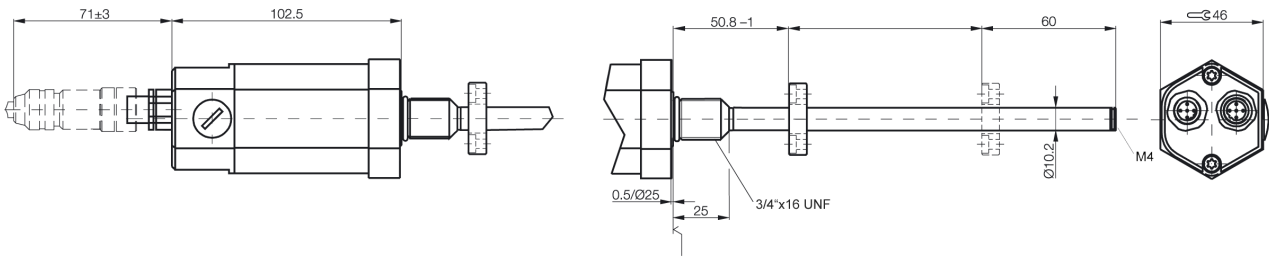


STA
Interface:Z
BTL5-H1..-M....-Z-S94

Micropulse transducer BTL



Technical Data

Output signal	CANopen		
Transducer interface	H		
Input interface	CANopen		
CANopen Interface	potential-free		
System resolution position	5µm Steps		
System resolution velocity	0,1 mm/s Steps		
Hysteresis	≤1 Digit		
Repeatability	±1 Digit		
Sampling rate	1 kHz		
max.non-linearity	±30µm at 1,5 and 10µm resolution or < ±2 LSB		
Temperature coefficient of overall system	(6µm +5ppm x L) /°C		
Supply voltage	20...28V DC		
Current draw	<100mA		
Operating temperature	-40...85°C		
Storage temperature	-40...100°C		
Shock load	100g / 6ms per IEC60068-2-27		
Vibration	12g, 10...2000 Hz per IEC 60068-2-6		
Polarity reversal protected	yes		
Overvoltage protection	Transorb protection diodes		
Dielectric constant	500 V (GND to housing)		
Enclosure rating per IEC 60529	IP 67 (with BKS-S...IP 67 connector attached)		
Housing material	Anodized aluminum		
flange- and tube material	1.4571 stainless tube, 1.3952 stainless investment cast flange		
Mounting	thread 3/4" x 16 UNF		
Pressure rating	600 bar		
Connection type	Connector		
recommended connector	BKS-S92-00, BKS-S94-00		
RF emission	EN 55011 Group 1, Class A		
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	IEC 61000-4-6 Severity Level 3		
Cable length [m] at Baud rate [kBaud] per CiA DS301	<25 <50 <100 <250 <500 <1000 <1250 <2500		
Accessories	Pin assignments		
	Control and data signals		
	Pin	Color	
	1	WH	CAN_GND
	2	BN	+24 V
	3	BU	0 V (GND)
	4	GY	CAN HIGH
	5	GN	CAN_LOW