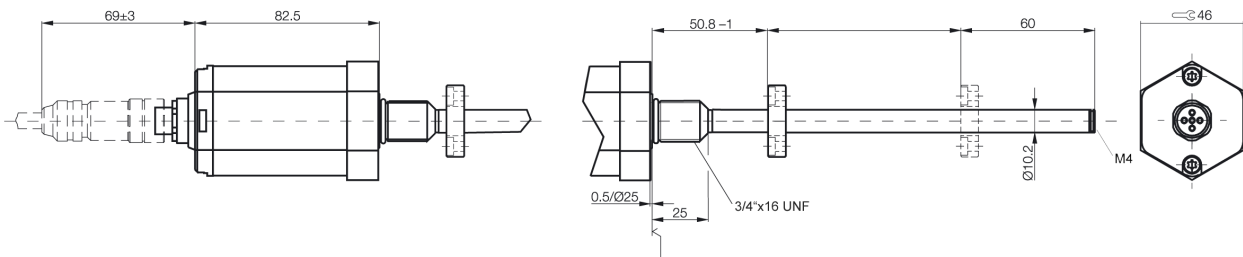


STA
Interface:Z
BTL5-H1..-M....-Z-S92

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																				
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																					
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