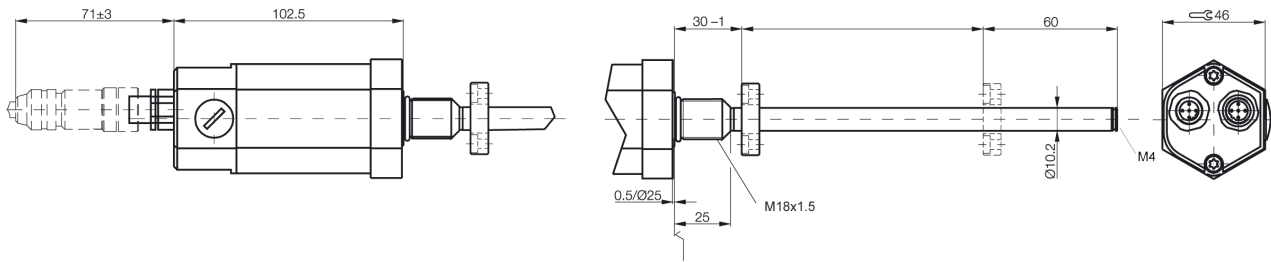


STA
Interface: B
BTL5-H1..-M....-B-S94

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 M18 x1,5			
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	Pin	Color	
	Control and	1	WH	CAN_GND
	data signals	2	BN	+24 V
		3	BU	0 V (GND)
		4	GY	CAN HIGH
		5	GN	CAN LOW