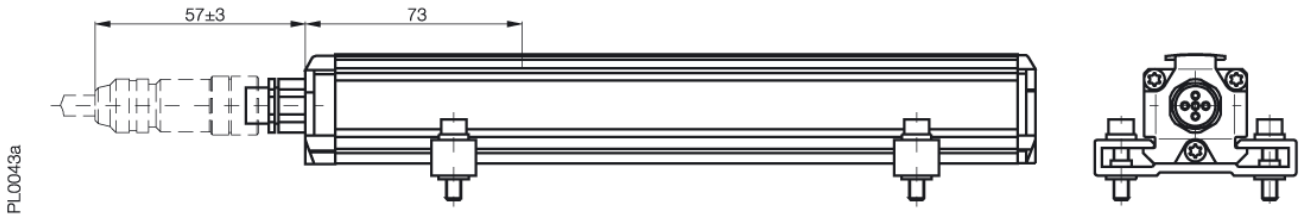


PRO
Interface:C
BTL5-H1..-M....-P-S92

Micropulse transducer BTL



Technical Data

Output signal	CANopen
Transducer interface	H
Input interface	CANopen
CANopen Version	DS301 V3.0, DS406 V2.0
CANopen Interface	potential-free
System resolution position	5 µm increments configurable
System resolution velocity	0.1 mm/s increments configurable
Hysteresis	<=1 Digit
Repeatability	±1 Digit
Sampling rate	1 kHz
max.non-linearity	±30µm at 5 µm resolution
Temperature coefficient of overall system	(6µm +5ppm x L) /°C
Magnet traverse speed	any
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
Vibration	12g, 10...2000 Hz per IEC 60068-2-6
Polarity reversal protected	yes
Overvoltage protection	Transzorb protection diodes
Dielectric constant	500 V (GND to housing)
Enclosure rating per IEC 60529	IP 67 (when BKS-S...IP 67 connector is in place)
Housing material	Anodized aluminum
Mounting	Compression clamps
Connection type	Connector
recommended connector	BKS-S92-00
RF emission	EN 55 011 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 1000 800 500 250 125 100 50 20/10
Accessories	
Pin assignments	Pin Color
Control and data signals	1 WH CAN_GND
	2 BN +24 V
	3 BU 0 V(GND)
	4 GY CAN_HIGH
	5 GN CAN_LOW