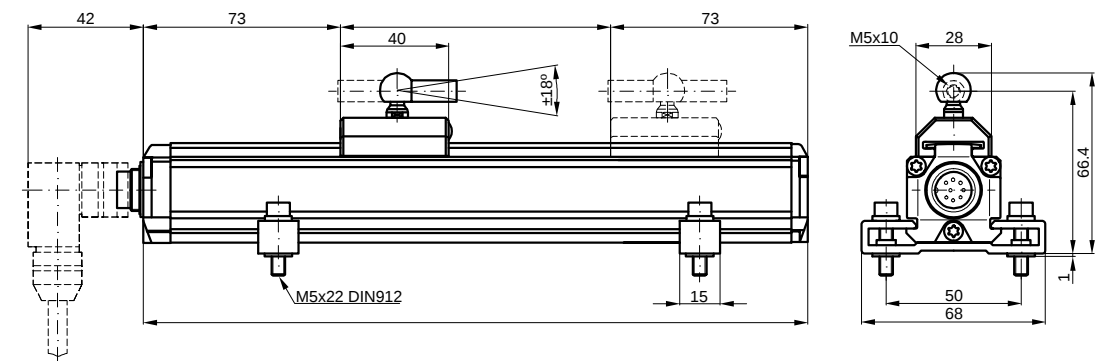


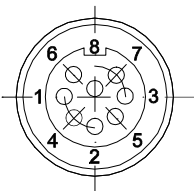
Profil Housing
Analog Interface
BTL5-A11-M....-P-S32

Micropulse Transducer BTL



Technical Data

Output	potential-free
Output signal	0...10V and 10...0V
Output current max.	10mA
Load resistance	
System resolution	<0,1mV
Repeatability	<6µm
Hysteresis	<4µm
max. non-linearity	+/-100µm up to L=500mm; 0,02% FS at L>500mm
Update time	1kHz
Housing material	Anodized aluminium
Operating voltage	24VDC +/-20%
max. ripple	<5mV
Current draw	<150mA
Polarity reversal protected	yes
Overvoltage protection	Transzorb protection diodes
Temperature coefficient of overall system	[150µV/°C+(5ppm/°C×PxU/L)]x(T2-T1)
Operating temperature	-40...+85°C
Storage temperature	-40...+100°C
Static electricity (ESD)	IEC 1000-4-2 Severity Level 3
Electromagnetic fields (RFI)	IEC 1000-4-3 Severity Level 3
Fast transients (BURST)	IEC 1000-4-4 Severity Level 4
Line-carried noise	IEC 1000-4-6 Severity Level 3
RF emission	EN 55011 Group 1, Class A
Shock loading	100g / 1ms per IEC68-2-27
Vibration	12g, 10...2000Hz per IEC68-2-6
Dielectric strength	500V (GND to housing)
Traversal velocity of magnet	any
Enclosure rating per IEC 529	IP 67
Accessories	(when BKS-S32/33 is installed) mounting clamps with isolating bushings and screws are included. magnet and connector (please order separately)



Connectors	Pin	Color
Output signals	1	YE
	2	GY 0V Output
	3	PK 10...0V
	5	GN 0...10V
Supply voltage	6	BU GND
	7	BN +24V DC
	8	WH (GND)