



Technical Data

Output signal	analog
Transducer interface	A
Input interface	analog
Output voltage	-10...+10V and +10...-10V
Load current	max. 5mA
max.ripple	<5mV
System resolution	<10µm
Repeatability	<10µm
Repeat accuracy	<20µm
Sampling rate	f Standard = 1kHz
max.non-linearity	< +200µm up to L=500mm; typ. 0,02%, max. 0,04% at L= 500...1500mm
Supply voltage	20-28V DC
Current draw	<70mA
Operating temperature	0...70°C
Storage temperature	-40...100°C
Shock load	50g / 6ms per IEC60068-2-27
Vibration	12g, 10...2000 Hz per IEC 60068-2-6
Polarity reversal protected	yes
Overvoltage protection	yes
Enclosure rating per IEC 60529	IP 67 (with BKS-S...IP 67 connector attached)
Housing material	Anodized aluminum
Mounting	Compression clamps
Connection type	Connector M12, 8-pin Standard
RF emission	EN 55011 Group 1, Class A+B
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	EN 61000-4-6 Severity Level 3
Line-carried noise, induced by high-frequency fields	IEC 61000-4-8 Severity Level 4
Accessories	Magnet, Clamp and Connectors please order separately

Pin assignments	Pin	BTL6-A110.../A310
Output signals	1	0 V Output
	2	0 V Output
	3	10...0 V
Supply voltage	5	0...10 V
	6	GND
	7	+24 V DC

Connect shield to housing,
pins 4 and 8 must remain unconnected.