



PL0012a

**Technical Data**

Output signal	analog
Transducer interface	E
Input interface	analog
Output	potential-free
Load current max.	4...20mA or 20...4mA
Load resistance	<500 Ohm
System resolution	<0,2µA
Hysteresis	<4µm
Repeatability	System resolution / min. 2µm
Sampling rate	1kHz
max.non-linearity	+/-100µm up to L=500mm; 0,02% FS at L>500mm
Temperature coefficient Current output	[0,6µA/°C + (10ppm/°C x P x I/L)] x T2-T1
Supply voltage	24 V DC ±20%
Current draw	<150mA
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	Klemmstücke
Connection type	Connector
recommended connector	BKS-S32-00
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
Accessories	Magnets and Connector please order separately



	Pin Farbe/Color	Signal
Ausgangssignale Output Signals	1 YE	4...20mA / 20...4mA
	2 GY	0V
	3 PK	10...0 V
	5 GN	0...10 V
Betriebsspannung Power Supply	6 BU	GND
	7 BN	+ 24 V DC
	8 WH	(GND)