


# Belt Displacement Sensor

Description	Channels	Model*	Page
Belt Displacement Sensor	1	<u>D1B1A11A</u>	216

\*additional versions available on request!



	Description		Belt Displacement Sensor, 1-axial
	Measuring range	mm	-1024..+1024
	Calibration range	mm	-450..+450
	Resolution	mm	0,5
	Sensitivity <sup>1)</sup>	mV/mm	2,42
	Output signal <sup>1), 2)</sup>	V	±2,46
	Zero signal <sup>1)4)</sup>	mV/V	≤ 0,1
	Amplitude non-linearity <sup>3)</sup>	%	≤ 1,0
	Distance to reference tape	mm	≤ 10
	Supply voltage	VDC	10-18
	Insulation resistance	GΩ	> 5,0
	Temperature range	°C	-30..+70
	Weight (approximate)	g	20

All values measured at 10 V sensor supply voltage and at 23 °C.

<sup>1)</sup> Typical value, <sup>2)</sup> At nominal load, <sup>3)</sup> Relative nominal range, <sup>4)</sup> Related to the offset at 5 V

