

**Robust Linear Absolute encoder**

- Robust Linear Absolute encoder
- High accuracy
- Inductive scanning
- Shock and vibration protected
- IP 67 encapsulation class

EnDat 2.2

Mechanical data

Operating temperature	-10 °C...+80 °C
Ingress protection class [IEC 60529]	IP 67
Vibration [IEC 60068-2-64]	100 m/s ² , 55-2000 Hz
Shock [IEC 60068-2-27]	2000 m/s ² , 6ms
Cover material	Anodized aluminium
Weight	8 kg
Bellow material	FPM / Viton
Piston material	Stainless steel
Temperature Coefficient	< 11 ppm/K

Encoder configuration

Type	RLA
Model	4200
Power supply	3.6-14 Vdc
Output interface	EnDat 2.2 without incremental 1 Vpp signals
Connection type	M12 connector 8-pin
Measuring length	200 mm

Electrical data

Current consumption (No load)	300mA at 5Vdc
Number of clock pulses for position value	28
Accuracy within the grating period	± 0.50 µm
Measuring step	100 nm
Clock frequency	16 MHz
Linearity	± 5 µm/m

