

**Robust Linear Incremental encoder**

- Robust enclosure
- Output signals 1 Vpp
- Single reference mark

**Mechanical data**

Ingress protection class [IEC 60529]	IP 67 (Given a proper seal at the pressure hose)
Vibration [IEC 60068-2-64]	≤ 500 m/s ² , 55-2000 Hz
Shock [IEC 60068-2-27]	≤ 500 m/s ² , 11ms
Weight	20.7 kg
Bellow material	Viton (FKM70)
Coefficient of expansion	Appr. 10x10 ⁻⁶ K ⁻¹
Max. Velocity	15 m/min
Housing material	Stainless steel 1.4104
Piston material	Stainless steel
Operating temperature	0 °C...+70 °C
Measuring length	260 mm

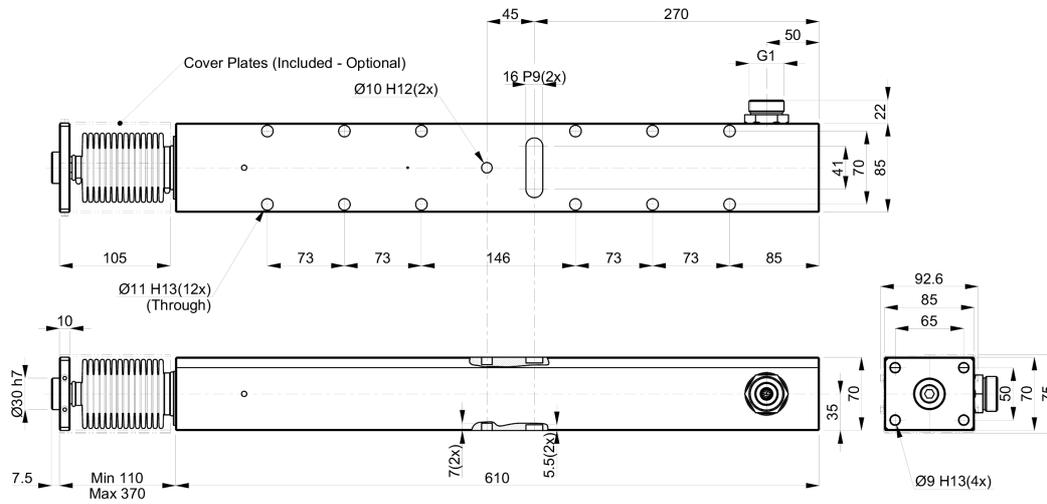
Encoder configuration

Type	RLI
Model	4300
Code key	43000401
Power supply	5 Vdc (+-5 %)
Output signal	1Vpp (Sinusoidal)
Connection type	M12 connector 12-pin

Electrical data

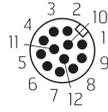
Current consumption (No load)	< 100mA
Cable length max	150m
Accuracy	3 μm
Signal period	20 μm
Number of reference marks	1
Reference mark position	In the middle of the measuring range
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)

Dimensions

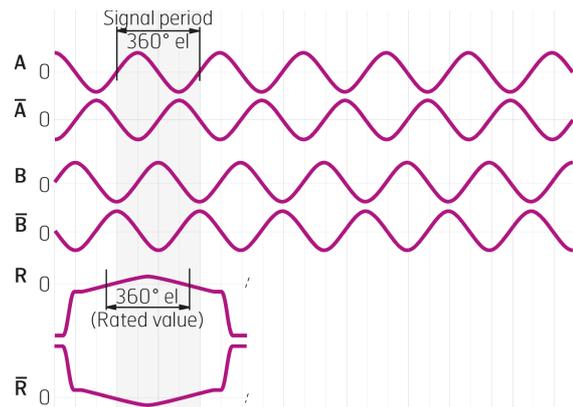


Pin Configuration

Function	Pin
Ref-	1
0 Volt	2
Ref+	3
A-	4
B-	5
A+	6
+E Volt (Sensor)	7
B+	8
Sense 0V	9
Sense +EV	10



Output signal



A, B, R measured with oscilloscope in different mode

Order information

Part number

1302223-01