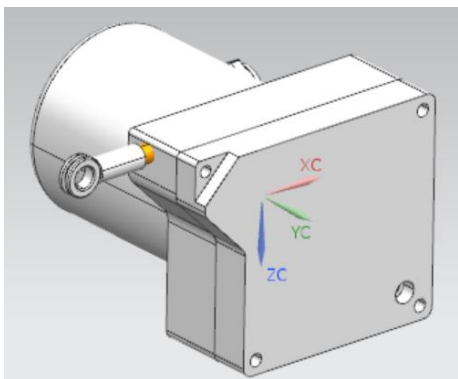


Thin version BSL-GA40-1000



Features and Application:

BSL-GA40-1000 draw wire mechanism is with a very compact outer size(40mm*40mm), and its measuring range can reach 1000mm, with NPN, Push pull, line drive output signals. It's widely be used in the Forklifts, construction machinery, construction vehicles, and other fields which has limited installation space.

Technical data

Product	Draw-wire encoder
BSL-GA40-1000	0-1000mm range draw- mechanism with NPN, Push pull, line drive output encoder
Note	Encoder size 30mm outer, 4mm shaft
Measuring length up to	0 m ... 1000 mm
Repeatability	$\leq 0.2 \text{ mm}$
Linearity	$\leq \pm 2 \text{ mm}$
Hysteresis	$\leq 0.5 \text{ mm}$
Weight	200 g
Material (rope)	Highly flexible 304 stainless steel rope
Casing material	Aluminum alloy
Circumference of drum	100 mm
Force of retractile spring	5 N ... 10 N ¹⁾
Diameter(rope)	0.6 mm
Acceleration	5 m/s ²

Resolution

To determine the system resolution, use the following formula:

$$\text{Pull-out length of cable per circle} / \text{Steps per circle} = \text{Resolution of draw-wire encoder combination}$$

Working temperature

−30 °C ... +70 °C

IP code of casing

IP50

life

Typ. 5000,000 cycle ²⁾ ³⁾

- ¹⁾ This value is measured at an ambient temperature of 25 °C. When the temperature changes, the value may deviate..
- ²⁾ The average value depends on the load pattern.
- ³⁾ The service life depends on the type of load. Influencing factors include: environmental conditions, installation conditions, measuring range used, moving speed and acceleration.

Dimension(mm/inch):

