

Compact type BSL-GA80



Technical data

Product	Draw-wire mechanism
Profile	Draw- mechanism for servo flange with 6 mm shaft, measuring range 0 m ... 3 m
Note	Encoders need to be purchased separately
Measuring length up to	0 m ... 3 m
Repeatability	$\leq 0.3 \text{ mm}$
Linearity	$\leq \pm 2 \text{ mm}$
Hysteresis	$\leq 1.2 \text{ mm}$
Weight	250 g (without encoder)
Material (rope)	Highly flexible 316 stainless steel rope
Casing material	Aluminum alloy
Circumference of drum	230 mm
Force of retractile spring	5 N ... 15 N ¹⁾
Diameter(rope)	0.6 mm
Acceleration	10 m/s ²
Resolution	To determine the system resolution, use the following formula:

Pull-out length of cable per circle / Steps per circle = 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):

