SG-6010C

SG-6010C Integrated Planetary Robot Joint Actuator

PUBLIC CATALOGUE REFERENCE - Rev0.1 - 2026-11-18

Diameter	Reduction	Rated output torque	Rated output speed
80.0 mm	**9.67:1**	**6 Nm**	**310 rpm**

Published technical specifications

Transmission structure	Planetary structure	Rated output speed	310 rpm
Outer diameter	80.0 mm	No load output speed	400 rpm
Product thickness	34.07 mm	Rated output torque	6 Nm
Reduction ratio	9.67:1	Peak output torque	18 Nm
Backlash	15-20 arcmin	Weight	377 +/- 10 g
Motor power	328 W	Allowable radial force	250 N
Operating voltage	24-48 VDC	Allowable axial force	100 N

Configuration and release scope

Driver, encoder, communication and closed-loop functions depend on the selected configuration.

Preliminary catalogue data. Peak torque is not a continuous rating. Controlled 2D mechanical interfaces, connector pinout, electronics/firmware and installation dimensions must be confirmed for the ordered configuration.

Online technical references: SG-6010C specifications and CAD status