CPM-100-25

CPM-100-25 Integrated Cycloidal Joint Module

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

Diameter	Reduction	Rated output torque	Rated output speed
100 mm	**25:1**	**25 Nm**	**60 rpm**

Published technical specifications

Transmission structure	Cycloidal pinwheel	Rated output speed	60 rpm
Outer diameter	100 mm	No load output speed	90 rpm
Product thickness	29.5 mm	Rated output torque	25 Nm
Reduction ratio	25:1	Peak output torque	75 Nm
Backlash	5-10 arcmin	Weight	630 g
Operating voltage	24-48 VDC	Allowable radial force	500 N
Rated motor power	213 W	Allowable axial force	300 N

Configuration-specific variants (not standard by default)

Dual encoder variant code	SG2556D
Dual encoder variant outer diameter	100 mm
Dual encoder variant axial dimension	48 mm
Dual encoder variant rated voltage	DC 48V
Dual encoder variant rated speed	60 RPM
Dual encoder variant rated torque	25 Nm
Dual encoder variant no-load speed	125+/-10% RPM
Dual encoder variant no-load current	1.1 A
Dual encoder variant weight	853 g

Configuration and release scope

Available in base and configuration-specific variants; SG2556D is confirmed as the CPM-100-25 dual-encoder variant and has a separate controlled mechanical envelope.

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: CPM-100-25 specifications and CAD status