



Your maxon drive

consists of:

Planetary gearhead GPX 26 C Ø26 mm, 1-stage

Configurable

DCX 26 L Ø 26mm, graphite brushes, ball bearings

Configurable

Your Contact

maxon motor worldwide

http://www.maxongroup.com:80/maxon/view/content/contact_page

E-Mail: info@maxongroup.com

Internet: <http://www.maxongroup.com:80>

retail price:

0-4 Pieces	€409.25
5-19 Pieces	€349.14
20-49 Pieces	€296.52
from 50 Pieces	On Request

Terms and conditions

Planetary gearhead GPX 26 C Ø26 mm, 1-stage
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General information		
	Gearhead type	GPX
	Outer diameter	26 mm
	Version	Ceramic version

Gearhead Data		
	Reduction	3.9 : 1
	Absolute reduction	75/19
	Number of stages	1
	Max. continuous torque	1 Nm
	Max. intermittent torque	1.5 Nm
	Direction of rotation, drive to output	=
	Max. efficiency	90 %
	Average backlash no load	0.75 °
	Mass inertia	1.874 gcm ²
	Gearhead length (L1)	21.3 mm
	Max. transmittable power (continuous)	55 W
	Max. transmittable power (intermittent)	70 W

Technical Data		
	Bearing at output	ball bearing
	Radial play	max. 0.1 mm, 5 mm from flange
	Axial play	0 - 0.4 mm
	Max. radial load	95 N, 10 mm from flange
	Max. axial load (dynamic)	80 N
	Max. force for press fits	120 N
	Max. continuous input speed	7000 rpm
	Max. intermittent input speed	8750 rpm
	Recommended temperature range	-40...+100 °C
	Number of autoclave cycles	0

Product		
	Weight	75 g

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Values at nominal voltage

Nominal voltage	18 V
No load speed	11100 rpm
No load current	93 mA
Nominal speed	9970 rpm
Nominal torque (max. continuous torque)	55.8 mNm
Nominal current (max. continuous current)	3.69 A
Stall torque	653 mNm
Stall current	42.2 A
Max. efficiency	90 %

Characteristics

Terminal resistance	0.427 Ω
Terminal inductance	0.0671 mH
Torque constant	15.5 mNm/A
Speed constant	616 rpm/V
Speed / torque gradient	17 rpm/mNm
Mechanical time constant	3.79 ms
Rotor inertia	21.3 gcm ²

Thermal data

Thermal resistance housing-ambient	10.2 K/W
Thermal resistance winding-housing	3.01 K/W
Thermal time constant winding	24 s
Thermal time constant motor	620 s
Ambient temperature	-40...+100 °C
Max. winding temperature	+155 °C

Mechanical data

Bearing type	ball bearings
Max. speed	14400 rpm
Axial play	0 mm, at radial load < 5.5 N 0.1 mm, at radial load > 5.5 N
Radial play	0.02 mm
Max. axial load (dynamic)	5.5 N
Max. force for press fits (static)	40 N
(static, shaft supported)	500 N
Max. radial load	20.5 N, 5 mm from flange

Other specifications

Number of pole pairs	1
Number of commutator segments	11
Number of autoclave cycles	0

Product

Weight	170 g
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