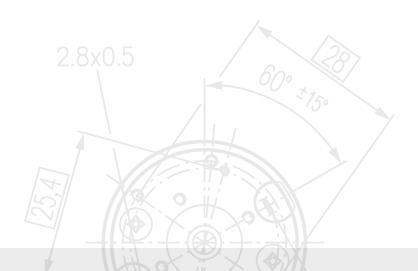


Contents

- Overview
- Product specifications
- Price information incl. scaling



About this Document:

This document is not a binding offer by maxon. Product specifications and prices are subject to change. We protect your confidential data. We do not view or store any project-specific information entered by you. See here for more information about confidentiality and data protection, as well as our General Terms and Conditions.

Combination

Drive solution	Technical data	Unit price	Quantity	Total price

gear



Planetary Gearhead GP 52 C Ø52 mm, 4

- 30 Nm, Ceramic Version

Part No.: 223080

Outer diameter: 52 mm Reduction: 3.5:1

Max. continuous torque: 4 Nm

€358.20

€632.40

motor



RE 50 Ø50 mm, Graphite Brushes, 200

Part No.: 370354

Outer diameter: 50 mm Type power: 200 W

Nominal voltage: 24 V No load speed: 5950 rpm

Nominal torque (max. continuous torque):

405 mNm

Certificate of Conformity: No

Sensor



Encoder HEDL 5540, 500 CPT, 3 Channels, with Line Driver RS 422

Part No.: 110518

Counts per turn: 500 Number of channels: 3

Line Driver: DS26LS31

€147.79

Subtotal (mounted)

€1,138.39

1

€1,138.39

Details

Total cart

€1,138.39

Expected Shipping and packing costs

VAT

€90.73

€39.90

Total sum

€1,269.02

Taxes and tariffs

Goods are delivered duty paid within Switzerland, Germany, Japan and China. VAT is accounted for and settled by us. For deliveries outside Switzerland, Germany, Japan and China, your country may levy VAT, import duty, or fees.

Encoder HEDL 5540, 500 CPT, 3 Channels, with Line Driver RS 422

Part No. 110518



Details

Product specifications

General information	
Counts per turn	500
Number of channels	3
Line Driver	DS26LS31
Max. mechanical speed	12000 rpm
Shaft diameter	8 mm

Technical Data	
Supply voltage Vcc	5.0V ± 10.0%
Output signal	EIA RS 422
Driver used logic	EIA RS 422
Max. angular acceleration	250000 rad / s²
Output current per channel	-2020 mA
Signal rise time	180 ns
Measurement condition for signal rise time	CL=25pF, RL=2.7kOhm, T=25°C
Signal fall time	40 ns
Measurement condition for signal fall time	CL=25pF, RL=2.7kOhm, T=25°C
Phase shift	90 °e
Phase shift, inaccuracy	45 °e
Index synchronized to AB	Yes
Max. moment of inertia of code wheel	0.6 gcm ²
Operating temperature	-40+100 °C
Orientation of encoder output to motor flange	-1 °

Product	
Weight	28 g

Planetary Gearhead GP 52 C Ø52 mm, 4 - 30 Nm, Ceramic Version

Part No. 223080



Details

Product specifications

General information	
Gearhead type	GP
Outer diameter	52 mm
Version	Ceramic version

Gearhead Data	
Reduction	3.5 : 1
Absolute reduction	7/2
Max. motor shaft diameter	10 mm
Number of stages	1
Max. continuous torque	4 Nm
Max. intermittent torque	6 Nm
Direction of rotation, drive to output	=
Max. efficiency	91 %
Average backlash no load	0.6 °
Mass inertia	20.7 gcm ²
Gearhead length (L1)	49 mm
Max. transmittable power (continuous)	720 W
Max. transmittable power (intermittent)	1100 W

Technical Data	
Bearing at output	ball bearing
Radial play	max. 0.06 mm, 12 mm from flange
Axial play	0 - 0.3 mm
Max. radial load	420 N, 12 mm from flange
Max. axial load (dynamic)	200 N
Max. force for press fits	500 N
Max. continuous input speed	6000 rpm
Max. intermittent input speed	6000 rpm
Recommended temperature range	-15+80 °C
Extended temperature range	-40+100 °C
Number of autoclave cycles	0

Product	
Weight	460 g

RE 50 Ø50 mm, Graphite Brushes, 200 Watt

Part No. 370354

Details



1-4 €632.40 5-19 €544.19 20-49 €436.83 from 50 On request Prices excluding VAT and shipping costs

Product specifications

Price scales

Values at nominal voltage	
Nominal voltage	24 V
No load speed	5950 rpm
No load current	236 mA
Nominal speed	5680 rpm
Nominal torque (max. continuous torque)	405 mNm
Nominal current (max. continuous current)	10.8 A
Stall torque	8920 mNm
Stall current	232 A
Max. efficiency	94 %

Characteristics	
Terminal resistance	0.103 $_{\Omega}$
Terminal inductance	0.0717 mH
Torque constant	38.5 mNm/A
Speed constant	248 rpm/V
Speed / torque gradient	0.668 rpm/mNm
Mechanical time constant	3.75 ms
Rotor inertia	536 gcm ²

Thermal data	
Thermal resistance housing-ambient	3.81 K/W
Thermal resistance winding-housing	1.24 K/W
Thermal time constant winding	68.5 s
Thermal time constant motor	1370 s
Ambient temperature	-30+100 °C
Max. winding temperature	+125 °C

Mechanical data	
Bearing type	ball bearings
Max. speed	9500 rpm
Axial play	0 mm, at radial load < 11.5 N
Radial play	0.03 mm
Max. axial load (dynamic)	30 N
Max. force for press fits (static)	150 N
(static, shaft supported)	6000 N
Max. radial load	110 N, 15 mm from flange

Other specifications	
Number of pole pairs	1
Number of commutator segments	15
Number of autoclave cycles	0

Product	
Weight	1100 g



Your maxon support contact

maxon international ltd. Brünigstrasse 220 6072 Sachseln Switzerland

Phone: +41 (41) 666 15 00 E-mail: info@maxongroup.com