

Direct Current Motor
DCX32L GB KL



The advantages :
Servo motor - Exceptional
power/dimensions ratio. The DCX range is
completely configurable online at
<http://dcx.maxonmotor.com>

Associated products :

- > Encoder

 - HEDL 5540
 - HEDS 5540

> Power supply

 - DR-120-24
 - DRP-240-24
 - DRP-480S-24
 - RS-100-24
 - RS-150-24
 - SP-320-24
- > Controller

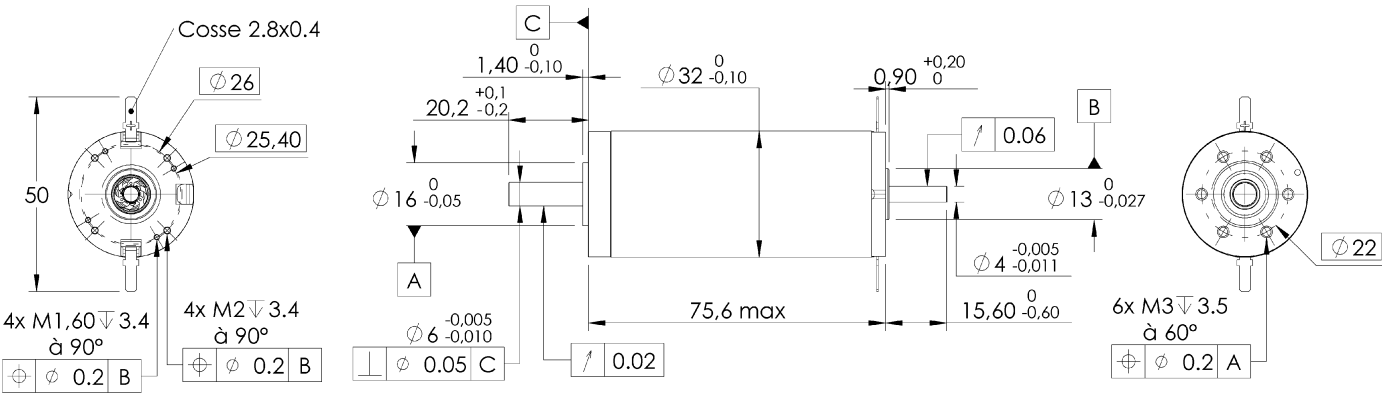
 - EPOS4 50/5
 - EPOS4 70/15
 - ESCON 50/5
 - ESCON 70/10

maxon motor

91 W - 133 W

Power supply voltage (Ua)	V	24
Speed at current In	tr/mn	7795
Torque at current In	mNm	112
Max. permanent current (In)	mA	4260
Ua no-load speed +/- 10%	tr/mn	8270
No-load current +/- 50%	mA	0.164
Ua stall torque	mNm	1980
Ua stall current	mA	72500
Torque constant	mNm/A	27.3
Speed constant	tr/mn/V	350
Speed/torque gradient	tr/mn/mN	4.24
Limit speed	tr/mn	11300
Max. Ua operating power output	W	429
Maximum efficiency	%	88.6
Electromechanical time constant	ms	3.24
Inertia	gcm ²	72.8
Resistance across terminals	Ohm	0.331
Inductance	mH	0.103
Ambient/Housing thermal	K/W	7.28
Rotor/Housing thermal resistance	K/W	2.3

Commutation	Graphite
Number of commutator segments	11
Bearings	Bearings
Maximum axial load (dynamic)	7 N
Minimum axial play	0 mm
Maximum axial play	0.1 mm
Maximum radial load	65.3 N
Radial play	0.02 mm
Maximum slip force (static)	22.6 N
Min ambient operating temperature	-40 °C
Max ambient operating temperature	100 °C
Max rotor temperature	155 °C
Weight	320 g



Edition: Juli 2022 / subject to modification

Version of 06/07/2022

