

Direct Current Motor DCX26LG



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

Associated products :

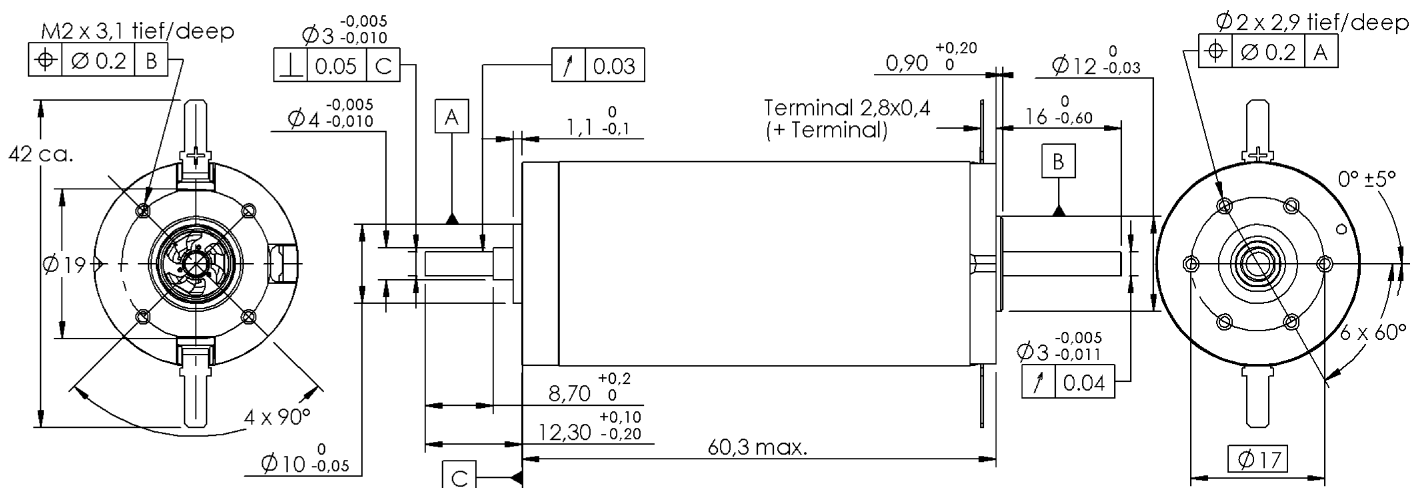
- > Power supply
 - DR-100-24
 - DR-120-24
 - RS-75-24
- > Controller
 - EPOS2P 24/5
 - EPOS4 50/5
 - EPOS4 70/15
 - ESCON 50/5
 - ESCON DC 36/2
 - FIRST-DC-1Q 50/5
 - NANO DC 1Q 30/3

maxon motor

47 W - 87 W

Power supply voltage (Ua)	V	12	24
Speed at current In	tr/mn	9657	9833
Torque at current In	mNm	46.9	57.8
Max. permanent current (In)	mA	4499	2759
Ua no-load speed +/- 10%	tr/mn	10600	10700
No-load current +/- 50%	mA	131	65.7
Ua stall torque	mNm	532	695
Ua stall current	mA	49.7	32400
Torque constant	mNm/A	10.7	21.4
Speed constant	tr/mn/V	890	445
Speed/torque gradient	tr/mn/mN	20.1	15
Limit speed	tr/mn	14400	14400
Max. Ua operating power output	W	148	195
Maximum efficiency	%	90.6	90.7
Electromechanical time constant	ms	4.5	3.45
Inertia	gcm ²	21.4	21.4
Resistance across terminals	Ohm	0.242	0.74
Inductance	mH	0.0321	0.129
Ambient/Housing thermal	K/W	10.2	10.2
Rotor/Housing thermal resistance	K/W	3.01	3.01

Commutation	Graphite
Number of commutator segments	11
Bearings	Bearings
Magnets	NdFeB
Minimum axial play	0 mm
Maximum axial play	0.1 mm
Maximum radial load	20.5 N
Radial play	0.02 mm
Maximum slip force (static)	40 N
Min ambient operating temperature	-40 °C
Max ambient operating temperature	100 °C
Max rotor temperature	155 °C
Weight	185 g



Edition: Juli 2022 / subject to modification

Version of 06/07/2022