

Direct Current Motor RE50G



The advantages :
 Servo motor - Ideal for start/stop applications and sense of rotation reversal - Low power consumption - Exceptional power/dimensions ratio.

Associated products :

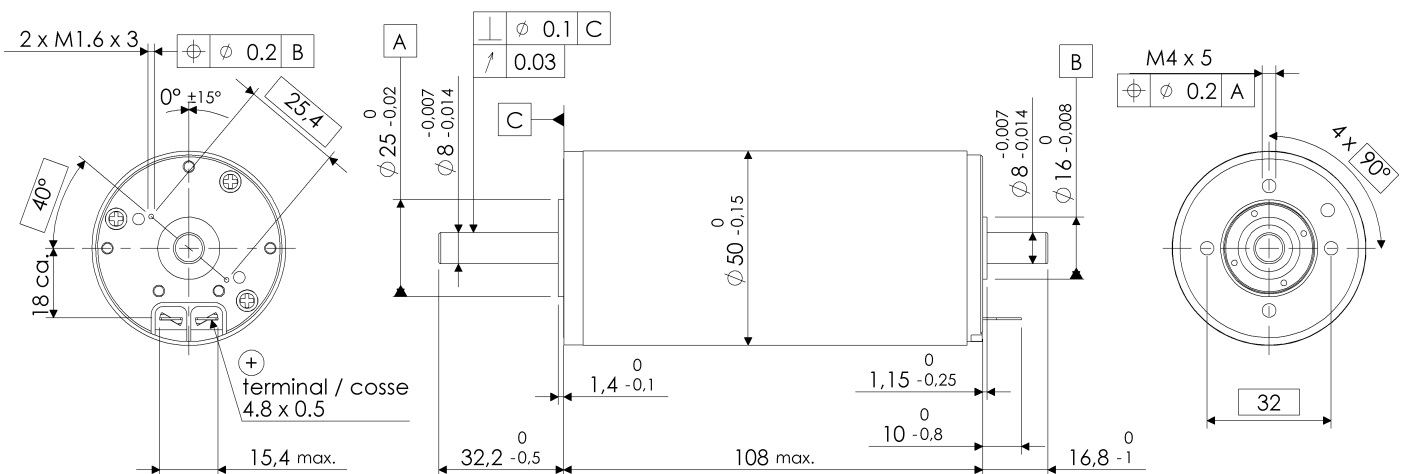
- > **Encoder**
HEDL 5540
HEDS 5540
- > **Power supply**
DRP-240-48
SP-320-24
- > **Controller**
EPOS4 70/15
ESCON 70/10
FIRST DC 1Q 60/10

maxon motor

241 W - 403 W

Power supply voltage (Ua)	V	24
Speed at current In	tr/mn	5679
Torque at current In	mNm	405
Max. permanent current (In)	mA	10800
Ua no-load speed +/- 10%	tr/mn	5950
No-load current +/- 50%	mA	236
Ua stall torque	mNm	8920
Ua stall current	mA	232000
Torque constant	mNm/A	38.5
Speed constant	tr/mn/V	248
Speed/torque gradient	tr/mn/mN	0.668
Limit speed	tr/mn	9500
Max. Ua operating power output	W	1389
Maximum efficiency	%	94
Electromechanical time constant	ms	3.75
Inertia	gcm ²	536
Resistance across terminals	Ohm	0.103
Inductance	mH	0.072
Ambient/Housing thermal	K/W	3.8
Rotor/Housing thermal resistance	K/W	1.2

Commutation	Graphite
Number of commutator segments	15
Bearings	Roulements préchargés
Magnets	Neodymium
Maximum axial load (dynamic)	30 N
Minimum axial play	0 mm
Maximum axial play	0.1 mm
Maximum radial load	110 N
at a distance from the face of:	15 mm
Radial play	preloaded mm
Maximum slip force (static)	150 N
If fixed rear axis	6000 N
Min ambient operating temperature	-30 °C
Max ambient operating temperature	100 °C
Max rotor temperature	125 °C
Weight	1100 g



Edition: Juli 2022 / subject to modification

Version of 06/07/2022