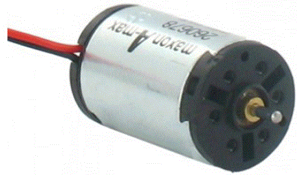


## Direct Current Motor AMAX22CLL sortie fils



**The advantages :**  
 Servo motor - Low power consumption - CE marking - Reduced dimensions - Low noise - CLL design

### Associated products :

> Power supply  
 DR-120-24  
 DR-60-24  
 DRP-240-24  
 DRP-480S-24  
 RS-100-24  
 RS-150-24  
 RS-75-24  
 SP-320-24

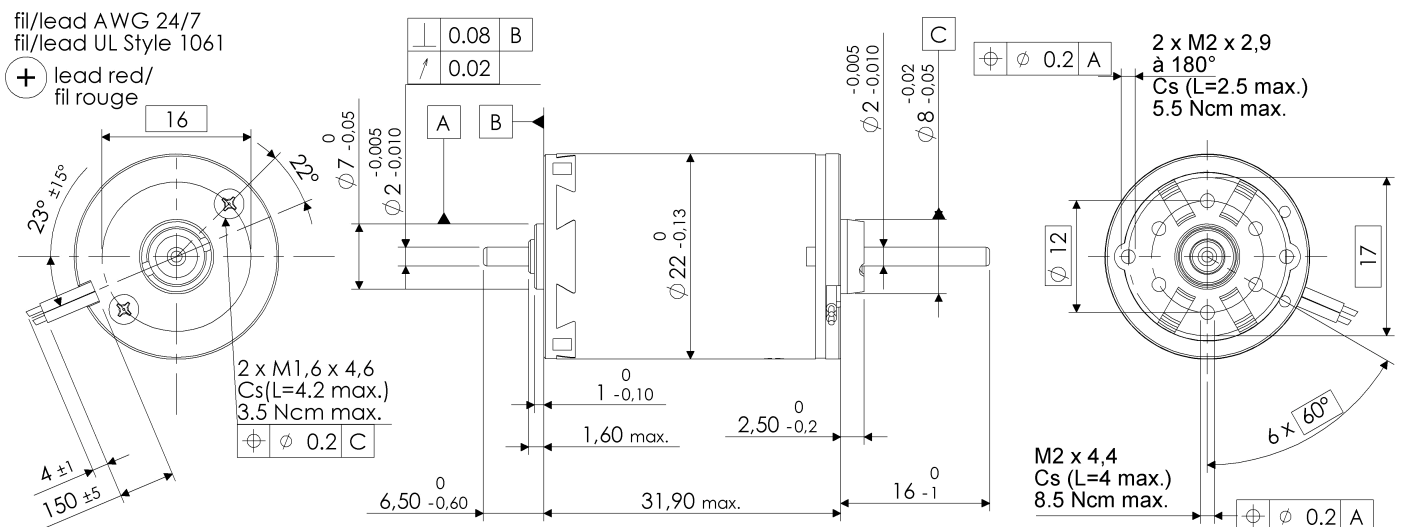
### maxon motor

### 1.6 W - 5 W

Power supply voltage (Ua)	V	12	24
Speed at current In	tr/mn	3008	4150
Torque at current In	mNm	5.09	5
Max. permanent current (In)	mA	302	182
Ua no-load speed +/- 10%	tr/mn	5344	6520
No-load current +/- 50%	mA	7.17	4.33
Ua stall torque	mNm	12.6	14.9
Ua stall current	mA	593	427
Torque constant	mNm/A	21.2	34.8
Speed constant	tr/mn/V	450	274
Speed/torque gradient	tr/mn/mN	459	474
Limit speed	tr/mn	10000	10000
Max. Ua operating power output	W	1.7	2.5
Maximum efficiency	%	82	81
Electromechanical time constant	ms	18.8	18.9
Inertia	gcm <sup>2</sup>	4.18	4.07
Resistance across terminals	Ohm	20.2	56.2
Inductance	mH	1.37	3.68
Ambient/Housing thermal	K/W	20	20
Rotor/Housing thermal resistance	K/W	6.0	6.0

Commutation	Métaux précieux
Number of commutator segments	9
Bearings	Roulement à billes
Magnets	AINiCo
Maximum axial load (dynamic)	3.3 N
Minimum axial play	0.05 mm
Maximum axial play	0.15 mm
Maximum radial load	12.3 N
at a distance from the face of:	5 mm
Radial play	0.025 mm
Maximum slip force (static)	45 N
If fixed rear axis	440 N
Min ambient operating temperature	-30 °C
Max ambient operating temperature	65 °C
Max rotor temperature	85 °C
Weight	54 g
Norm	CE CERTIFEE

Edition:Juli 2022 / subject to modification



Version of06/07/2022