

MB100FG

DC Brush Motor



● General information

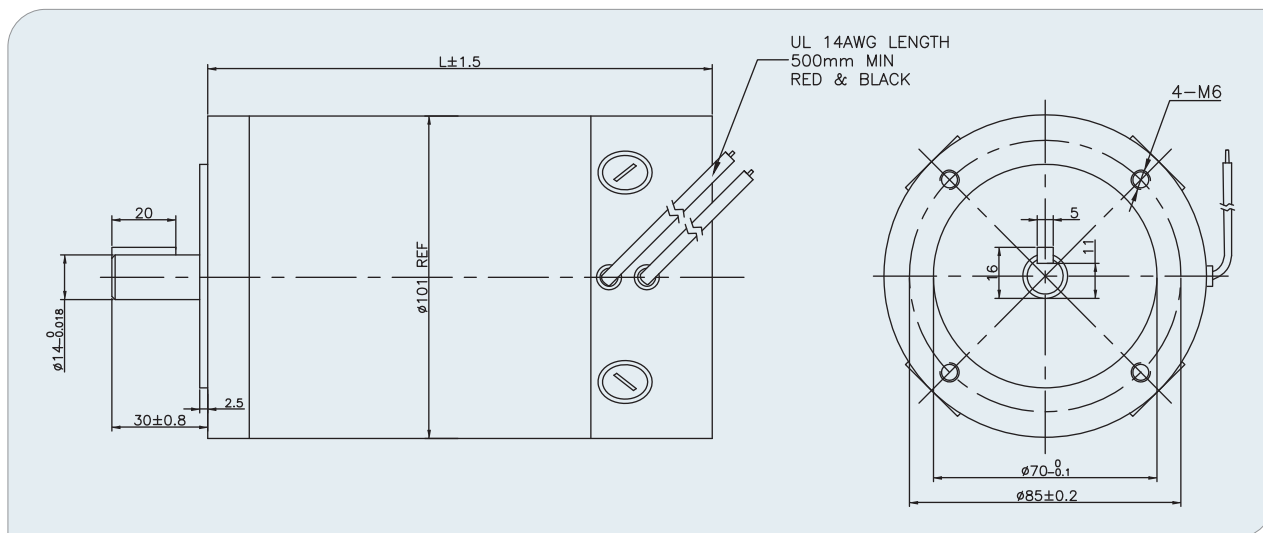
- IEC34-1 Standard Flange
- Magnet material: Hard Ferrite
- Number of Poles: 4
- Insulation class B, higher insulation on request
- Suitable for low voltage battery-operated application

● Specifications

SPECIFICATION		MB100FG100	MB100FG200	MB100FG300
Voltage	(V)	48	48	48
No Load Speed	(RPM)	3600	3600	3600
Rated Torque	(Nm)	0.9	1.6	2.1
Rated Speed	(RPM)	3100	3100	3100
Rated Current	(A)	8.5	15	19
Stall Torque	(Nm)	8	20	28
Rotor Inertia	(Kg.cm ²)	7	14	18
Ke	(V/KRPM)	12	12	12
Torque Constant	(Nm/A)	0.115	0.115	0.115
Resistance	(OHMS)	0.6	0.23	0.17
Weight	(Kg)	3.8	4.3	5
L	(mm)	125	158	178

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● Mechanical



● Characteristic diagram

