

ME042GS

DC Brushless Motor



General information

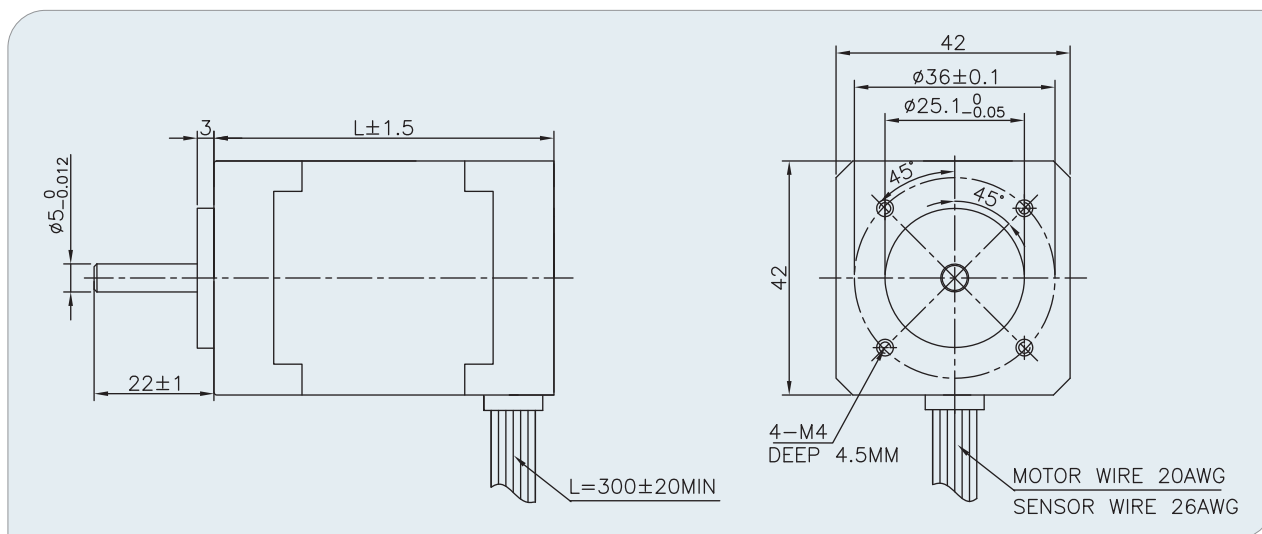
- 8 poles with three phases
- 6 slots design for automatic winding
- Insulation class B, higher insulation class on request
- Bonded Neo Magnet
- Integrated driver available

Specifications

SPECIFICATION		Unit	ME042GS100	ME042GS200	ME042GS300	ME042GS400
Supply Voltage (reference)	(Vs)	Vdc	24	24	24	24
Rated Continuous Torque	(Tcr)	Nm	0.064	0.126	0.191	0.268
Rated Speed at Cont. Torque	(Scr)	rpm	4000	4000	4000	4000
Rated Continuous Stall Current	(Ics)	A	2.19	3.84	5.84	8.18
Rated Continuous Output Power	(Po,c)	W	27	53	80	112
Rated Peak Torque	(Tpr)	Nm	0.19	0.38	0.56	0.75
Rated Peak Current	(Ipr)	A	5.75	11.2	16.6	22.02
Torque Constant	(KT)	Nm/A	0.0359	0.0359	0.0359	0.0359
Voltage Constant	(KE)	V/krpm	3.76	3.76	3.76	3.76
Terminal Resistance	(Rmt)	Ω	1.80	0.72	0.55	0.28
Inductance	(L)	mH	2.60	1.2	0.8	0.54
Insulation Class			B	B	B	B
Rotor Inertia	(Jr)	Kg.m ²	2.80E-06	4.8E-06	7.2E-06	9.6E-06
Motor Weight	(Wm)	Kg	0.30	0.45	0.65	0.8
Motor Length	(Lm)	mm	41	61	81	100

ME042GS

● Mechanical



● Characteristic diagram

