

ME080RS

DC Brushless Motor



General information

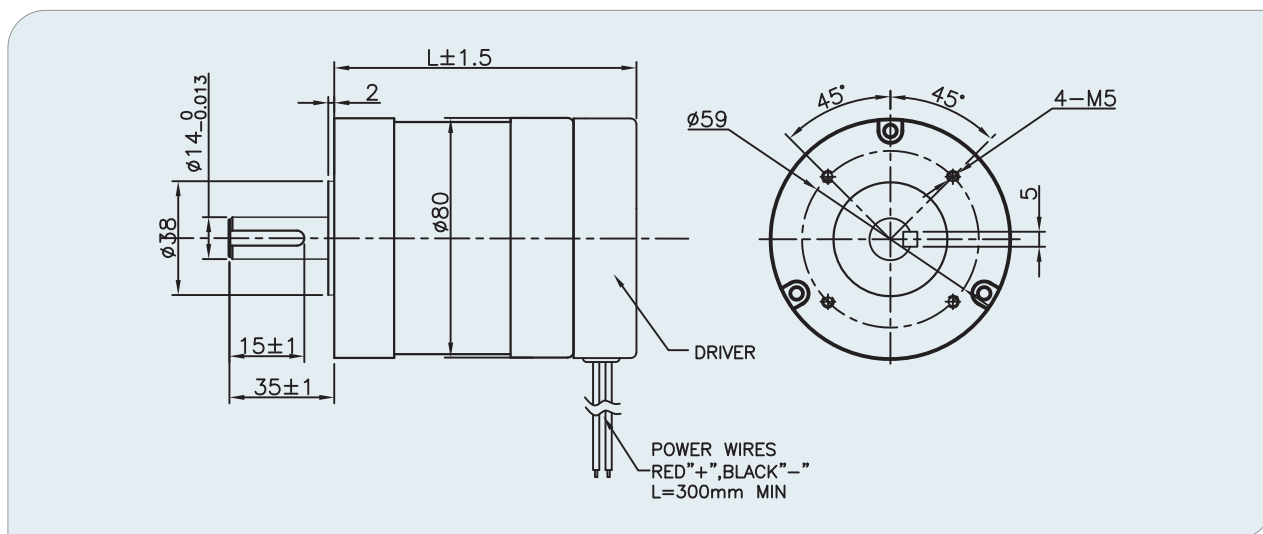
- Integrated driver with continuous current 8A, peak current 16A
- 4 poles with three phases
- Insulation class B, higher insulation class on request
- Sintered Neo Magnet
- Suitable, economic and compact design for direct drive
- Speed adjustable with potentiometer

Specifications

SPECIFICATION		Unit	ME080RS100D	ME080RS200D	ME080RS210D	ME080RS300D
Voltage	(Vs)	Vdc	24	24	48	48
Resistance	(Rmt)	Ω	0.23	0.34	0.34	0.7
Inductance	(L)	mH	0.95	1.3	1.3	3.5
Nominal Speed	(Scr)	rpm	3000	1500	3000	1500
Nominal Torque	(Tcr)	Nm	0.5	1	0.8	1.5
Nominal Current	(Ic)	A	8	8	6.4	6
Nominal Power	(P)	W	157	157	250	235
Peak Torque	(Tp)	Nm	1	2	1.6	3
Peak Current	(Ip)	A	16	16	12.8	12
Voltage Constant RMS	(KE)	V/Krpm	4.25	8.5	9.4	17
Torque constant	(KT)	Nm/A	0.0625	0.125	0.125	0.25
Number of poles			4	4	4	4
Weight	(Wm)	Kg	1.2	1.8	1.8	2.5
L	(Lm)	mm	80	100	100	120

ME080RS

● Mechanical



● Characteristic diagram

