

22 SERIES BLDC Motor



GENERAL SPECIFICATION

Winding type: Star
Hall effect angle: 120 degree electrical angle
Shaft run out: 0.025mm
Insulation Class: Class B
Dielectric strength: 500VDC for one minute
Ambient temperature: 0—+50°C

WIRE DIAGRAM

Lead No.	Lead Color	Lead Gauge	Function
1	ORA	28AWG UL1061	Phase U
2	GRE		Phase V
3	BRO		Phase W
4	RED		+5V
5	BLA		GND
5	YEL	28AWG UL1061	HALL A
7	WHI		HALL B
8	BLU		HALL C

ELECTRICAL SPECIFICATION

Model		22DM40-24100	22DM50-2460
Voltage	V	24	
Number of poles		4	
Rated power	W	8.5	7
No load speed	rpm	14000	8900
Rated torque	mN.m	8.1	11
Rated Speed	rpm	10000	6000
Rated current	A	0.72	0.54
Back-EMF constant	V/Krpm	1.7	3.5
Resistant	Ohm	9.7	13.9
Weight	Kg	0.05	0.05
Length	mm	40	50

DIMENSIONS

