

DYD 57 BL (S) 001

- ① ② ③ ④

① **DYD MOTOR**

② **FRAME**

③ **BRUSHLESS MOTOR WITH ROUND FRONT END BELL**

④ **NO.**

General Specifications

Item	Specification
Winding type	Delta
Hall effect angle	120 degree electrical angle
Shaft run out	0.025mm
Radial play	0.06mm@450g
End play	0.08mm@450g
Max.radial force	75N@20mm from the flange
Max.axial force	15N
Insulation class	Class B
Dielectric Strength	500VDC for one minute
Insulation resistance	100MΩMin.500VDC

Electric Connection

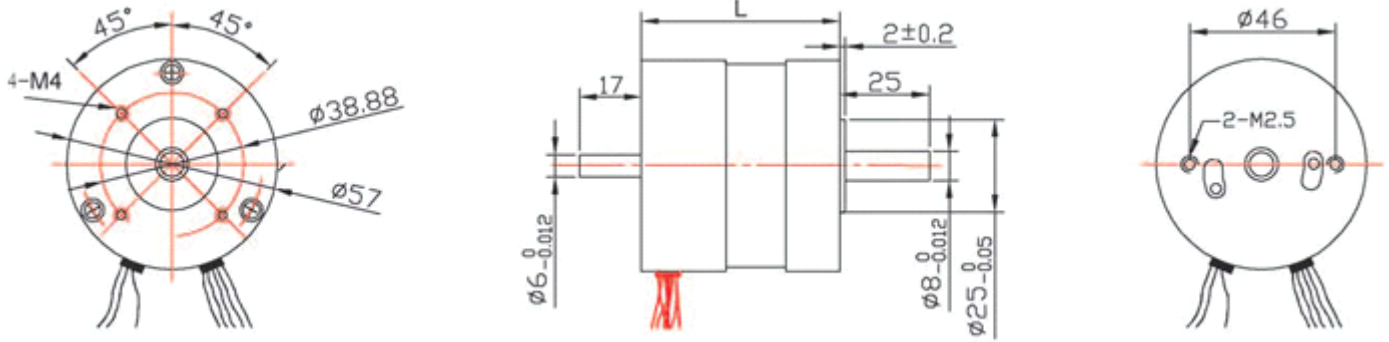
Lead NO.	Lead Color	Lead Gauge	Function	DESCRIPTION
1	Red	UL1007/26A WG	VCC	SUPPLY VOLTAGE FOR HALL SENSORS
2	Black		GND	GROUND FOR HALL SENSORS
3	Yellow		HALL A	
4	White		HALL B	
5	Blue		HALL C	
6	Orange	UL1007/20A WG	PHASE U	
7	Green		PHASE V	
8	Brown		PHASE W	

Technique Specification

Model No.	No.of Phase	Rated Voltage	Line to line resistance	Rated Speed	Rated Torque	Max torque	Rated Power	Back W.M.F	Mass	Body length
		VDC	Ohms	rpm	N.m	N.m	W	V/KRPM	Kg	mm
DYDBL(S) 57-001	3	36	4.1	4000	0.055	0.16	23	5.55	0.35	42
DYDBL(S) 57-002	3	12	1.0	2945	0.02	0.13	6	3.0		

DYDBL(S) 57-003	3	24	1.9	1600	0.188	0.28	31	4.5	0.5	52
DYDBL(S) 57-004	3	36	1.05	6000	0.08	0.25	50	3.35		
DYDBL(S) 57-005	3	36	0.7	4000	0.22	0.7	92	6.6	0.75	72
DYDBL(S) 57-006	3	36	0.45	4000	0.32	1.0	133	6.6	1.0	92
DYDBL(S) 57-007	3	36	0.35	4000	0.43	1.27	180	6.6	1.25	112

Dimensions diagram



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