

LMED5

• General characteristics

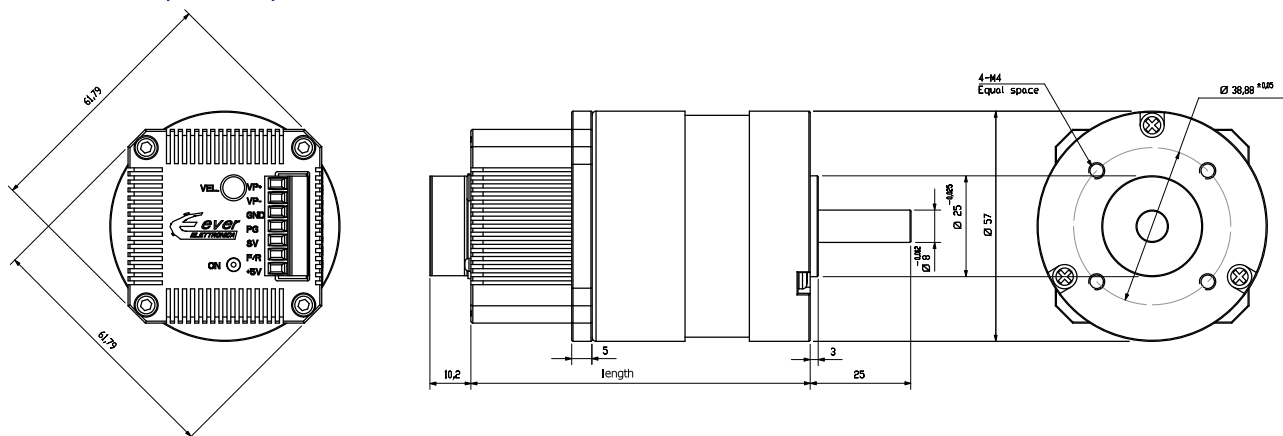


Winding type **Delta**
 Hall effect angle **120° electrical angle**
 Insulation resistance **100Mohm min., 500Vdc.**
 Dielectric strength **500Vdc 1 minute**
 Insulation class **B, 120° C**
 Protection **IP30**
 Max radial force **75 N**
 Max axial force **15 N**
 Shaft radial play **0.025 max 460 g. load**
 Shaft axial play **0.025 max 400 g. load**
 Analog input **±5 Vdc**
 Output **speed pulse (TTL) 24 pulse/turn**

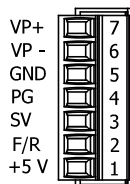
• Specifications

Model Code	Rated Voltage (Vdc)	Speed (rpm)	Poles Number	Phases Number	Torque (Nm)	Power (Watt)	Resistance (ohm)	Inductance (mH)	Torque Constant (Nm/A)	Back E.M.F. (Vrms/Krpm)	Rotor Inertia (g.cm ²)	Motor Length (mm)	Weight (Kg)
LMED5B1	36.0	4000	4	3	0.110	46	1.50	4.50	0.063	5.10	30	81.0	1.00
LMED5C1	36.0	4000	4	3	0.220	92	0.60	2.10	0.063	5.10	75	104.0	1.25
LMED5D1	36.0	4000	4	3	0.320	134	0.45	1.65	0.061	4.90	119	124.0	1.50
LMED5E1	36.0	4000	4	3	0.440	184	0.38	1.00	0.063	5.10	230	144.0	2.00

• Dimensions (Unit: mm)



• Wiring diagrams



PIN No.	1	2	3	4	5	6	7
Signal	+5 V	F/R	SV	PG	GND	-Vp	+Vp
Description	5 Volt output	Rotation direction [High=CW]	Voltage/Speed reference 0+5 Vdc	Output (TTL) speed reference 24 pulses/turn	System ground connection	Negative voltage power input	Power voltage input +36 Vdc

- Quality of motors, coding table and usage
- 2-phases hybrid step motors NEMA 10 (25 mm)
- 2-phases hybrid step motors NEMA 12 (28 mm) NEMA 14 (35 mm)
- 2-phases hybrid step motors NEMA 17 (42 mm)
- 2-phases hybrid step motors NEMA 23 (57 mm)
- 2-phases hybrid step motors NEMA 24 (60 mm)
- 2-phases hybrid step motors NEMA 34 (86 mm)
- 2-phases hybrid step motors NEMA 42 (110 mm) Linear actuator NEMA 17 (42 mm)
- 2-phases permanent magnet step motors NEMA 12 (25 mm) NEMA 14 (35 mm)
- 2-phases permanent magnet step motors NEMA 17 (42 mm)
- DC brushless motors NEMA 17 (42 mm) NEMA 23 (57 mm)
- DC brushless motors with integrated driver NEMA 17 (42 mm) NEMA 23 (57 mm)

- Encoders
- Planetary gearboxes
- Company and contacts