

# LMED3

• General characteristics

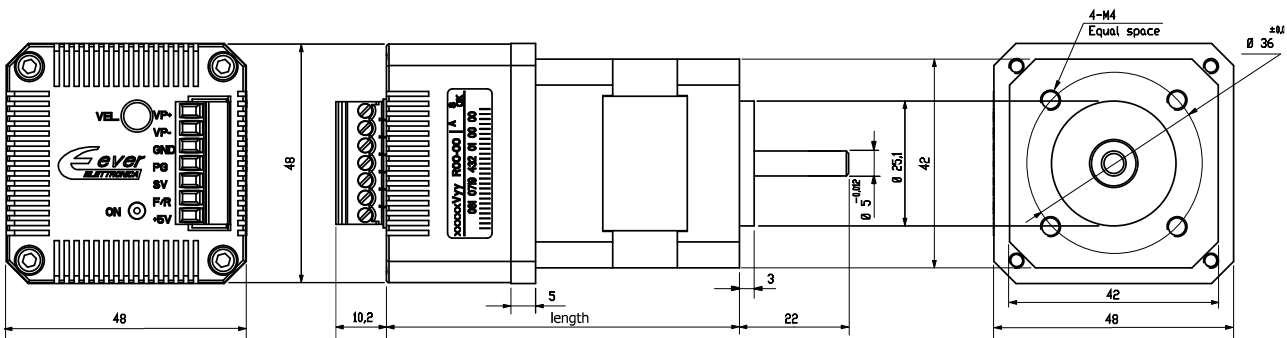


Winding type	Delta
Hall effect angle	120° electrical angle
Insulation resistance	100Mohm min., 500Vdc.
Dielectric strength	500Vdc 1 minute
Insulation class	B, 120° C
Protection	IP30
Max radial force	28 N
Max axial force	10 N
Shaft radial play	0.020 max 460 g. load
Shaft axial play	0.025 max 400 g. load
Analog input	±5 Vcc
Output	speed pulse (TTL) 24 pulse/turn

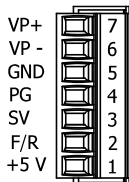
• Specifications

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 <sup>2</sup> )	Length (mm)	Weight (Kg)
LMED3B1	24.0	4000	8	3	0.062	26	1.75	2.10	0.034	2.78	24	71.0	0.90
LMED3C1	24.0	4000	8	3	0.125	52	0.80	1.20	0.035	2.90	48	91.0	1.05
LMED3D1	24.0	4000	8	3	0.185	78	0.46	0.70	0.038	3.10	72	111.0	1.25
LMED3E1	24.0	4000	8	3	0.250	104	0.28	0.54	0.037	3.07	96	130.0	1.40

• 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 +24 Vdc