



## FULLING - BLDC WITH INTEGRATED DRIVE 42MM

3204509040

FL42BLS01-IE 24V 26W inb.drivn



- Built in speed control with pulse train output
- 0-5v analogue speed control input
- Customer specific functions for large volumes



### PRODUCT DESCRIPTION

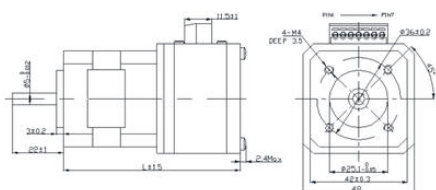
Fulling BLDC motors with integrated drives are often a simple and cost-effective solution where you do not have to buy a more advanced stand-alone electronics.

For higher volumes enquiries, it is possible to customise the design and function of the electronics to get a solution that suits your needs.

### TECHNICAL DATA

<b>Axial force</b>	10 N
<b>Front size</b>	42 mm
<b>Inductance</b>	2,1 mH
<b>Insulation class</b>	B
<b>IP class</b>	IP40
<b>Length</b>	77 mm
<b>Max current</b>	5,4 A
<b>Max. torque</b>	0,19 Nm
<b>Moment of inertia</b>	24 g.cm <sup>2</sup>
<b>Nominal current</b>	1,8 A
<b>Nominal speed</b>	4000 rpm
<b>Nominal torque</b>	0,063 Nm
<b>Number of phases</b>	3
<b>Number of poles</b>	8

<b>Power</b>	26 W
<b>Radial force</b>	28 N
<b>Resistance</b>	1,5 $\Omega$
<b>Returning voltage EMK</b>	2,45 Vrms/krmp
<b>Shaft diameter</b>	5 mm
<b>Supply voltage</b>	24 V DC
<b>Torque constant</b>	0,035 Nm/A
<b>Weight</b>	0,45 kg



Pin No		Functions
1	+5V	VOLTAGE OUTPUT
2	F/R	ROTATING DIRECTION
3	SV	SPEED VOLTAGE 0-5VDC
4	PG	SPEED PULSE OUTPUT(TTL)
5	GND	GND
6	GND	GND
7	+Vp	24VDC