



## FULLING BLDC MOTOR - 42MM

With integrated drive

FL42CBL60-24V-5943-IE

- 24V dc
- Speed and direction control
- Up to 43W output power
- Up to 5900 rpm
- 42mm frame size

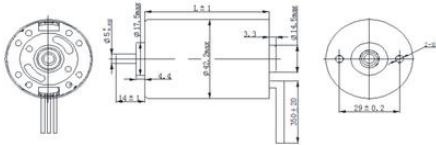


### PRODUCT DESCRIPTION

### TECHNICAL DATA

<b>Axial force</b>	10 N
<b>Cable number</b>	6
<b>Front size</b>	42,2 mm
<b>Inductance</b>	1 mH
<b>Insulation class</b>	B
<b>Length</b>	60 mm
<b>Max current</b>	3 A
<b>Max. torque</b>	0,1 Nm
<b>Moment of inertia</b>	44 g.cm <sup>2</sup>
<b>Nominal speed</b>	5900 rpm
<b>Nominal torque</b>	0,068 Nm
<b>Number of phases</b>	3
<b>Number of poles</b>	4
<b>Power</b>	43 W
<b>Radial force</b>	15 N
<b>Resistance</b>	0,87 $\Omega$
<b>Returning voltage EMK</b>	2,5 Vrms/krmp

<b>Shaft diameter</b>	5 mm
<b>Supply voltage</b>	24 V DC
<b>Torque constant</b>	0,032 Nm/A
<b>Weight</b>	0,4 kg



Functions	Color	Type
Vcc	Red	UL1332 AWG22
Gnd	Black	
Rotating Direction CW/CCW	Green	UL1430 AWG26
PWM Speed Control	White	
Brake	Blue	
Tacho out	Yellow	