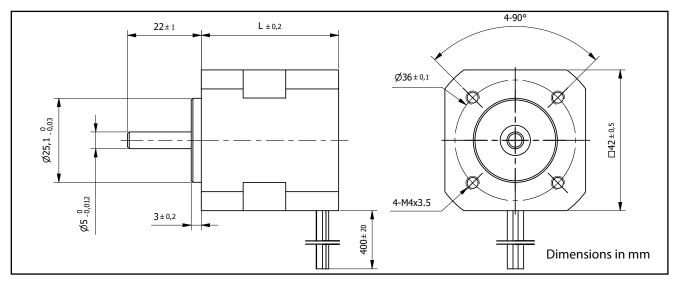


RS PRO Datasheet BRUSHLESS MOTOR

RS stock number 536-6024

BE Version: Rear shaft 13mm - 2x M2.5 on diameter 19,05mm



Specifications

Model	536-6024
No of Poles	8
No of Phase	3
Rated Voltage (V)	24
Rated Speed (RPM)	4000
Rated Torque (Nm)	0.063
Max Peak Torque (Nm)	0.19
Torque Constant (Nm/A)	0.035
Rated Current(A)	1.79
Line to Line Inductance (mH)	2.1
No-Load Current(mA)	200
Max Peak Current (A)	6
Length (mm)	41
Rotor Inertia (^{gcm²})	24
Mass (Kg)	0.3
Line to Line Resistance(Ω)	1.5

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



Specifications

Characteristics

Item

Hall Effect Angle	120°
Shaft run out	0,025mm
Insulation Class	В
Protection Class	IP40
Radial play (450g load)	0,02mm
Axial play (450g load)	0,08mm
Max. Radial force (10mm from flange)	28N
Max. Axial force	10N
Dielectric strength (for 1 min.)	500 VDC
Insulation Resistance (min. 500 VDC)	100 Mohm

Connection

Lead n°	Color	Gauge	Function
1	Red	UL1430 AWG26	Vcc Hall +5 to +24 Vdc
2	Blue	1	Hall A
3	Green	1	Hall B
4	White	1	Hall C
5	Black	1	GND Hall
6	Yellow	UL1430 AWG20	Phase U
7	Red	1	Phase V
8	Black		Phase W