Gearmotor 6Vdc 25/52RPM Encoder

Product Specifications

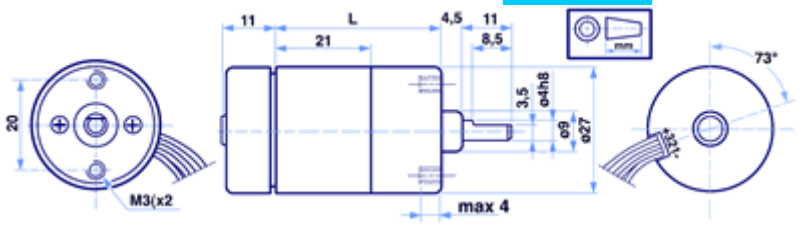
SIX POLES MAGNET:THREE PULSES FOR MOTOR TURN HALL-EFFECT SWITCHES

These Hall-effect switches are highly tempertature stable and stress-resistant sensors best utilized in applications that provide steep magnetic slopes and low residual levels of magnetic flux density. Each device includes a voltage regulator, quadratic Hall voltage generator, temperature stability circuit, signal amplifier, Schmitt trigger and open collector output on a single silicon chip. The on-board regulator permits operation with supply voltages of 4,5 to 24 V. The switch output can sink up to 20 mA with suitable output pull up, they can be used directly with bipolar or MOS logic circuits.

- VDR interference suppression on the collector
- Direction of rotation depending on polarity
- Can be mounted in any position
- Maximum radial shaft load: 10N
- Maximum axial shaft load: 5N
- Temperature range: -20°C/60°C

Technical Specifications :		
Item #	420106	**420107**
Nominal Voltage Vdc	6	6
No Load Current mA	30	30
Max Current mA	85	85
Max Torque Kg/cm	0.38	0.81
Reduction Ratio	43.3:1	90.3:1

No Load Speed RPM	52	25
Speed at Max Torque RPM	32	13
Shaft Diameter mm	4	4
Lenght mm	41	41
Weight gr	55	55



Encoder Technical Specifications:	
Supply Voltage	4.5 ... 24 Vdc
Output Saturation Voltage	150 ... 400 mV
Output Leakage Current	<1 ... 10 µA
Supply Current	4.7 ... 8 mA
Output Rise Time	0.04 ... 2 µs
Output Fall Time	0.18 ... 2 µs

Encoder Connections:

Red: + Motor

3 Blue: Out

2 Green: GND

1 Brown: Vcc (Hall)

Black: - Motor