

### Ø 27.5 mm 3.2 Watts 3.2 W Part number 82720001



- Long service life
- Resistant to prolonged jamming
- Class A EMC interference suppression
- Compatible with 6 V, 9 V or 12 V battery power supply
- Optional class B interference suppression
- Optional encoder

#### Part numbers

	Type	Type	Voltage	References
82720001	3.2 W	827200	12 V	Without option

#### Specifications

##### No-load characteristics

Speed of rotation (rpm)	4785
Absorbed power (W)	1,2
Absorbed current (A)	0,098

##### Nominal characteristics

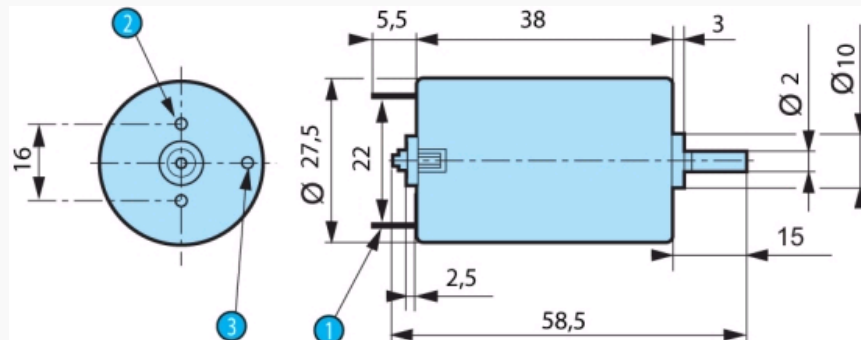
Speed (rpm)	3500
Torque (mNm)	7
Usable power (W)	2,6
Absorbed power (W)	5,0
Absorbed current (A)	0,42
Gearbox case temperature rise (°C)	25
Efficiency (%)	51

##### General characteristics

Conformity to standard EN 55022 (radiated EMC)	Class A
Temperature rise conf. to EN 60950	•
Coil wire insulation class	H
Protection rating	IP 30
Max. output power (W)	3,20
Start torque (mNm)	26
Starting current (A)	1,3
Resistance (Ω)	9
Inductance (mH)	13
Torque constant (Nm/A)	0,022
Electrical time constant (ms)	1,4
Mechanical time constant (ms)	16,5
Thermal time constant (mn)	6,3
Inertia (g.cm <sup>2</sup> )	9
Weight (g)	70
Number of of segments	5
Service life (h)	4000
Sintered bronze bearings	•

#### Dimensions (mm)

82720001 - 82720002

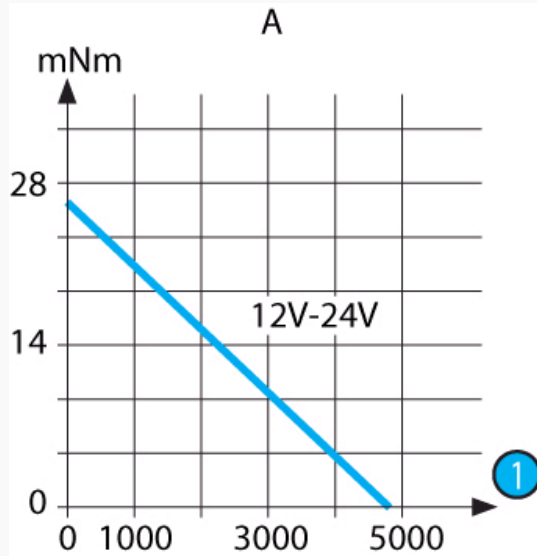


N° | Legend

①	2 solder tags 2.8 x 0.5 mm
②	2 holes M2.6 screw depth max. 3 mm
④	Hole $\varnothing$ 2.38 mm

## Curves

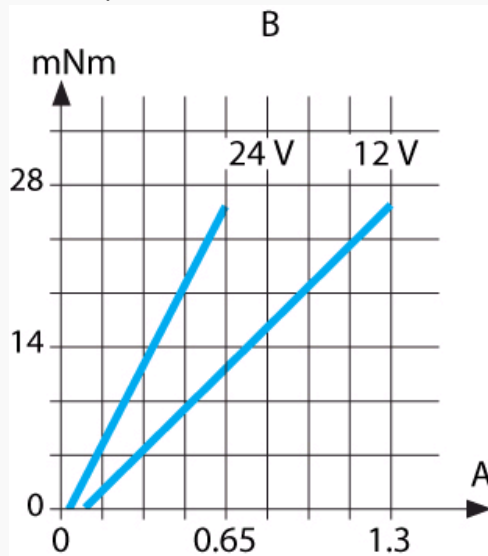
Curve : torque/speed 827200



N°	Legend
①	rpm

## Curves

Curve : torque/current 827200



## Product adaptations



- Encoder with different number of pulses per revolution
- Push-fit pinion
- Additional connectors