



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Ø 63 mm 33 and 67 Watts 67 W Part number 82830502



- Long service life
- Usable power : 27 to 50 W
- For low-speed, high-power drive applications
- With 2 ball bearings
- Power supply via 2 output leads

### Part numbers

	Type	Type	Voltage	References
82830502	67 W	828305	24 V	Without encoder

### Specifications

#### No-load characteristics

Speed of rotation (rpm)	3660
Absorbed power (W)	12
Absorbed current (A)	0,5

#### Nominal characteristics

Speed (rpm)	2770
Torque (mNm)	170
Usable power (W)	50
Absorbed power (W)	72
Absorbed current (A)	3
Gearbox case temperature rise (°C)	50
Efficiency (%)	69,4

#### General characteristics

Insulation class (conforming to IEC 85)	F (155 °C)
Protection (IEC/EN 60529)	IP20
Max. output power (W)	67
Start torque (mNm)	700
Starting current (A)	11,8
Resistance (Ω)	2,03
Inductance (mH)	4,68
Torque constant (Nm/A)	0,0619
Electrical time constant (ms)	2,3
Mechanical time constant (ms)	33
Thermal time constant (mn)	18
Inertia (g.cm <sup>2</sup> )	500
Weight (g)	840
Number of segments	12
Service life (h)	4000
Ball bearings	■
Wires length (mm)	200

#### Encoder characteristics

Current consumption (mA)	0,15 → 15
Output current (mA)	< 20 (25 °C)
Supply (V)	4,5 → 35 DC
Ambient temperature (°C)	-25 → +85

### Accessories

Connection	Code
Pre-assembled female connector, casing 179228-3, tags 179227-1 and leads AWG24 250 mm	79209895

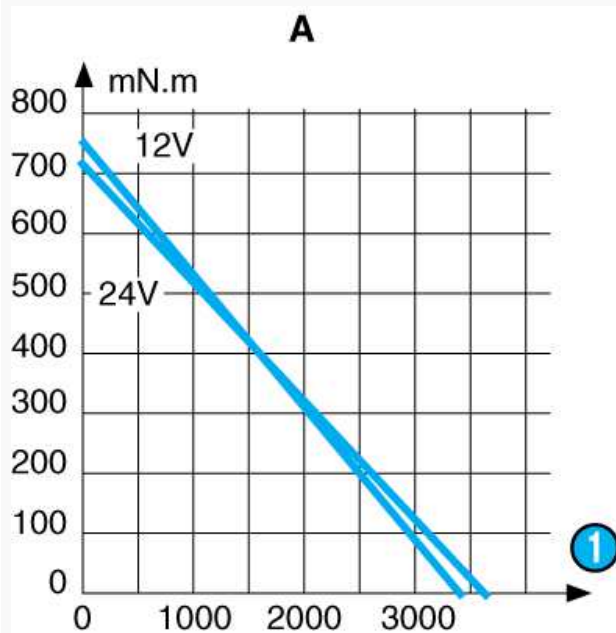
### Made to order products, available on request


- Other supply voltages
- Shaft lengths at front and/or rear
- Built-in interference suppression
- Encoders
- Other fixing flanges on front and rear
- Short version possible (L = 90 mm)

### Dimensions (mm)

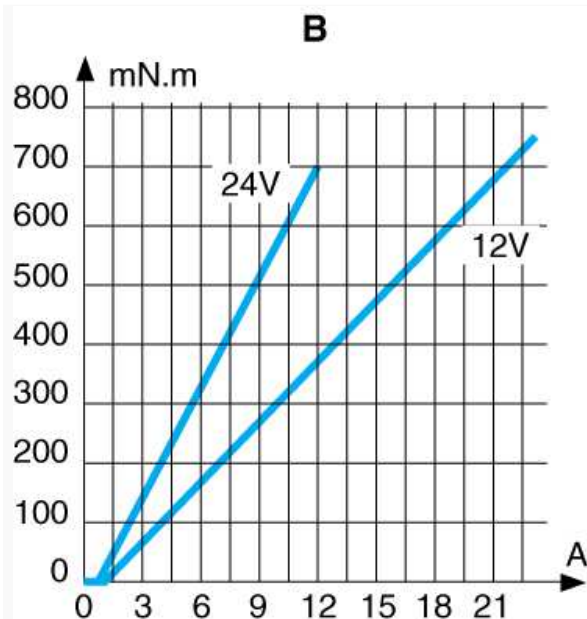
N°	Legend
❶	4 holes Ø 3.65 $\pm 0.05$ at 90° over Ø 48
❷	4 holes M5 over Ø 40 mm depth 7 mm
❸	4 holes M5 over Ø 40 mm depth 7 mm

## 828305



N°	Legend
1	rpm
	Torque/speed curve

## 828305



N°	Legend
	Torque/current curve

#### Product adaptations



- Special output shaft
- Pinion on output shaft
- Special supply voltage
- Special cable length
- Special ball bearings
- Optical or Hall effect encoder - 1 or 2 channels - other resolutions
- Special mounting plate
- Special connectors
- EMC filter