



Ø 36 mm 8 Watts 8 W Part number 82730003



- Long service life
- Class A EMC interference suppression
- Optional class B interference suppression
- Optional encoder with class B interference suppression

	Type	Type	Voltage	References
82730001	8 W	827300	12 V	Without option
82730003	8 W	827300	12 V	With class B EMC filter (radiated)
82730007	8 W	827300	12 V	With 1 pulse/revolution encoder
82730009	8 W	827300	12 V	With 5 pulses/revolution encoder
82730011	8 W	827300	12 V	With 12 pulses/revolution encoder
82730005	8 W	827300	12 V	With 48 pulses/revolution encoder
82730002	8 W	827300	24 V	Without option
82730004	8 W	827300	24 V	With class B EMC filter (radiated)
82730008	8 W	827300	24 V	With 1 pulse/revolution encoder
82730010	8 W	827300	24 V	With 5 pulses/revolution encoder
82730012	8 W	827300	24 V	With 12 pulses/revolution encoder
82730006	8 W	827300	24 V	With 48 pulses/revolution encoder

No-load characteristics

Speed of rotation (rpm)	4650
Absorbed power (W)	2,5
Absorbed current (A)	0,21

Nominal characteristics

Speed (rpm)	3265
Torque (mNm)	20
Usable power (W)	6,8
Absorbed power (W)	12
Absorbed current (A)	1
Gearbox case temperature rise (°C)	25
Efficiency (%)	57

General characteristics

Conformity to standard EN 55022 (radiated EMC)	Class A
Coil wire insulation class	H
Protection rating	IP 20
Max. output power (W)	8,2
Start torque (mNm)	67
Starting current (A)	2,9
Resistance (Ω)	4
Inductance (mH)	3
Torque constant (Nm/A)	0,025
Electrical time constant (ms)	0,65
Mechanical time constant (ms)	19,5
Thermal time constant (mn)	12
Inertia (g.cm ²)	29
Weight (g)	145
Number of segments	5
Service life (h)	3000
Sintered bronze bearings	■

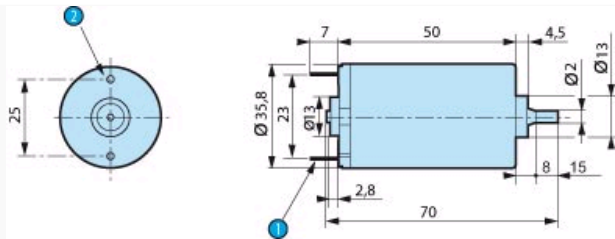
Encoder characteristics

Connection via connector	■
Output current (mA)	< 20
Supply (V)	5

Made to order products, available on request

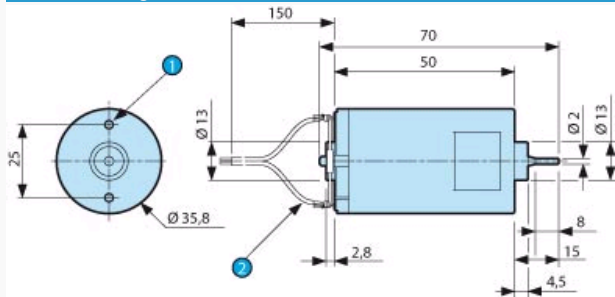
- 1, 5 or 12 pulse encoder
- characteristics as per specification

Dimension Diagram : 82730001 - 82730002



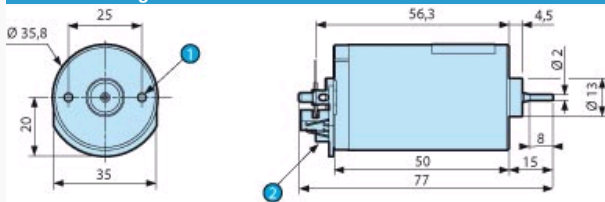
N°	Legend
1	2 solder tags 4.75 x 0.5 mm
2	2 holes M3; screw depth max. 3 mm

Dimension Diagram : With EMC filter 82730003 - 82730004



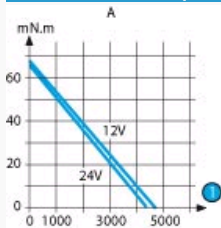
N°	Legend
1	2 holes M3 depth 3 max.
2	AWG 24 leads

Dimension Diagram : With encoder



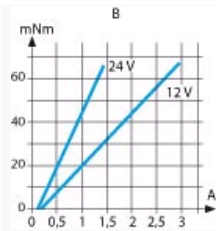
N°	Legend
1	2 holes M3 depth 3 max.
2	Molex connector 87 438 - 0532

Curves : Curve: torque/speed 827300

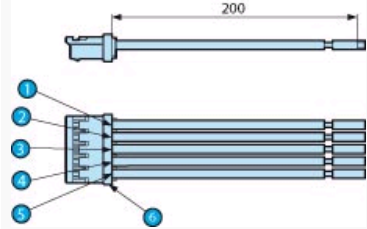


N°	Legend
1	rpm

Curves : Curve: torque/current 827300

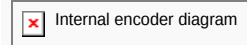


: Accessory 79260417



N°	Legend
1	Motor (+) →red
2	Motor (-) →blue
3	+5 VDC encoder power supply →white
4	0 VDC encoder power supply →blue
5	Encoder output signal →grey
6	Molex connector 87439 - 0500

: Internal encoder diagram



Special adaptations

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