



82800037-17 W



- ✓ Usable power: 9 to 16 W
- ✓ For low-speed drive applications
- ✓ Sintered bronze bearings lubricated for life
- ✓ Power supply by 4.75 mm tags
- ✓ Interchangeable brushes
- ✓ Optional one-channel encoder

No-load characteristics

Speed of rotation (rpm)	2750
Absorbed power (W)	4,3
Absorbed current (A)	0,18

Nominal characteristics

Speed (rpm)	2000
Torque (mNm)	75
Usable power (W)	15,6
Absorbed power (W)	26,4
Absorbed current (A)	1,1
Gearbox case temperature rise (°C)	40
Efficiency (%)	59

General characteristics

Insulation class (conforming to IEC 85)	F (155 °C)
Protection (IEC 529)	IP20
Max. output power (W)	17
Start torque (mNm)	210
Starting current (A)	2,7
Resistance (Ω)	7,7
Inductance (mH)	6,9
Torque constant (Nm/A)	0,0724
Electrical time constant (ms)	0,89
Mechanical time constant (ms)	16
Thermal time constant (mn)	12
Inertia (g.cm ²)	110
Weight (g)	400
Number of segments	8
Service life (h)	3000
Sintered bronze bearings	✓
Replaceable brushes	✓

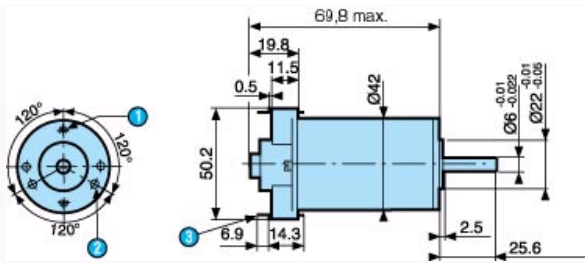
Encoder characteristics

Output current (mA)	< 25 (25°C)
Supply (V)	4,5 →30 DC
Ambient temperature (°C)	-40 →85°C

Made to order products, available on request

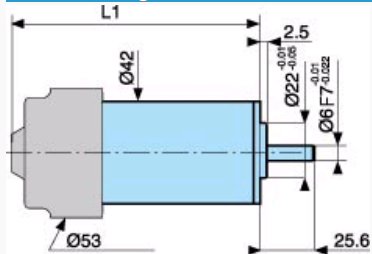
- ✓ Other supply voltages
- ✓ Motor with 1 ball bearing at front (essential for vertical motor)
- ✓ Shaft lengths at front and/or rear
- ✓ 5 pulses/revolution magnetic encoder
- ✓ Reversible magnetic encoder (1 or 5 pulses/revolution)
- ✓ Other fixing flanges on front

Dimension Diagram : 828000 - 828100



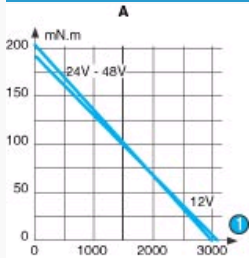
N°	Legend
1	2 x M3 at 180°, depth 5 mm over Ø 32
2	2 holes Ø 2.75 ± 0.05 at 120° depth 5 mm Ø 32
3	2 tags IEC 760, series 4.8 x 0.5 L: 828000: 84.8 mm max. L: 828100: 69.8 mm max.

Dimension Diagram : Dimensions with magnetic encoder



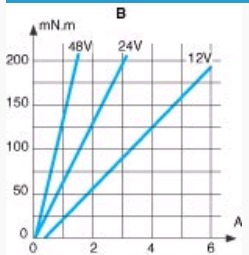
N°	Legend
L1: 828000: 99.1 mm max.	
L1: 828100: 84.1 mm max.	

Curves : 828000



N°	Legend
1	rpm
A	Torque/speed curve

Curves : 828000



N°	Legend
B	Torque/current curve

: Encoder and connector: STOCKO MKS 3735-6-0-505 Encoder and connector: STOCKO MKS 3735-6-0-505

N°	Legend
1	Motor power supply
2	+5 → +24 V DC (encoder power supply)
3	0 V DC (encoder power supply)
4	Encoder signal output
5	Motor power supply

Special adaptations

- Special output shaft
- Pinion on output shaft
- Special supply voltage
- Special ball bearings
- Special mounting plate
- Special connections
- Encoder: 5, 200, 500 or 1000 pulses/revolution