

Excellent Integrated System Limited

Stocking Distributor

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[80189701](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



80 and 100 W - 120 Nm - Planetary Ø 81 mm 801897 TNi20 - PWM Part number 80189701



With or without integrated control electronics

- Output in motor shaft
- Ideal for high reduction ratios
- Ideal for high-torque applications
- Excellent efficiency
- Reversible movement

Part numbers

Type	With built-in electronic control	Without built-in control, with Hall effect sensors	Ratios (i)	Output speed (rpm) 24 V DC	Available torque (Nm)
80189701	801897 TNi20 - PWM TNi20	-	5 - 1 stage 627		1,1

Specifications

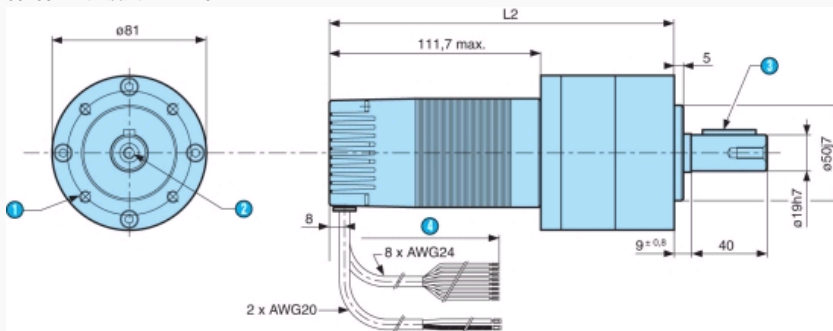
General characteristics

Motor	801800
Nominal motor power at 24 V (W)	80
Speed control	PWM
Axial load dynamic (N)	400 / *600 / **1000
Radial load dynamic (N)	50 / *70 / **120
Efficiency (%)	90 / *80 / **70
Gearbox case temperature rise (°C)	35
Weight (g)	2900 / *3600 / **4200
Protection index	IP54

Comments

Dimensions (mm)

801897 with built-in TNi20



N°	Legend
1	4 holes M6 x 12 over Ø 65
2	Fixing hole M6 x 16
3	Length of cable 500 ± 15 mm
4	Parallel key (6 x 6 x 28 conforming to DIN 6885 A)
	L2 1 stage : 182 mm max.
	L2 2 stages : 203.9 mm max.
	L2 3 stages : 226 mm max.

Precautions for use

The limits and precautions for use described in the 80 W brushless motor section must be observed.

Product adaptations



- Modification of software for other speed, torque and speed controller settings, position holding, emergency stop via short-circuit
- Dimensions of gearbox shaft
- Cable length, with or without connector
- Other windings
- Low-noise gearbox version
- Other reduction ratios
- Mechanical holding brake