

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



### 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) |
|----------|--------------------|----------------------------------|----------------------------------------------------|-------------------|----------------------------|-----------------------|
| 80189702 | 801897 TNi20 - PWM | TNi20                            | -                                                  | 27 - 2 stages 121 |                            | 5,2                   |

### Specifications

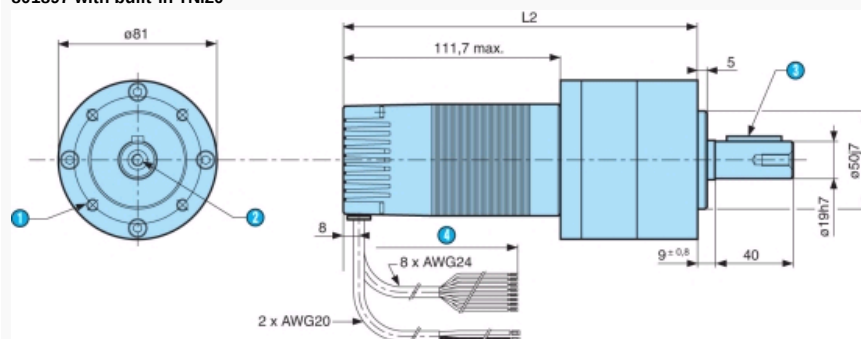
#### General characteristics

|                                    |                       |
|------------------------------------|-----------------------|
| 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