

# D.C. geared motors with brushes

## → 2 Nm double ovoid 3.9 Watts

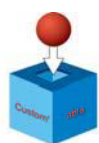
- Torque rating of gearboxes: 2 Nm, high-performance plastic gears
- Motors: nominal power 3 W, interference suppression for standard stocked products
- Wide speed range: 0.3 to 430 rpm
- Optional encoder built into the motor



### Part numbers

|                                                                                              |                    |            | 3.9 W    | 3.9 W    |
|----------------------------------------------------------------------------------------------|--------------------|------------|----------|----------|
|                                                                                              |                    |            | 12 V     | 24 V     |
| Voltage                                                                                      |                    |            |          |          |
| Type                                                                                         | Output speed (rpm) | Ratios (i) |          |          |
| 828690                                                                                       | 108                | 108        | 82869001 | 82869011 |
| 82 8690                                                                                      | 54                 | 54         | 82869006 | 82869012 |
| 828690                                                                                       | 27                 | 27         | 82869007 | 82869013 |
| 828690                                                                                       | 13                 | 13         | 82869008 | 82869014 |
| 828690                                                                                       | 7.2                | 7.2        | 82869009 | 82869015 |
| 828690                                                                                       | 5.4                | 5.4        | ●        | ●        |
| 828690                                                                                       | 2.9                | 2.9        | 82869010 | 82869016 |
| 828690                                                                                       | 0.90               | 0.90       | ●        | ●        |
| General characteristics                                                                      |                    |            |          |          |
| Motor                                                                                        |                    |            | 828600   | 828600   |
| Gearbox                                                                                      |                    |            | 810330   | 810330   |
| Maximum permitted torque from gearmotor under continuous conditions for 1 million turns (Nm) |                    |            | 2        | 2        |
| Axial load static (daN)                                                                      |                    |            | 1        | 1        |
| Radial load static (daN)                                                                     |                    |            | 10       | 10       |
| Max. output power (W)                                                                        |                    |            | 3.9      | 3.9      |
| Nominal output (W)                                                                           |                    |            | 3        | 3        |
| Gearbox case temperature rise (°C)                                                           |                    |            | 50       | 50       |
| Weight (g)                                                                                   |                    |            | 240      | 240      |

### Product adaptations



- Special supply voltage
- Lead output
- 1 or 5 pulse Hall effect encoder
- Special connectors
- Special shaft
- Special reduction ratio
- Special materials for gears
- Special ball bearings
- Special adaptor plate
- Finishing and system Y
- More than 200 reduction ratios available
- With shorter 1 W motor

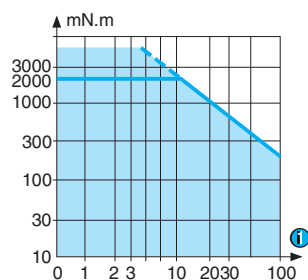
Stocked product

Product made to order

To order, see page 18

## Curves

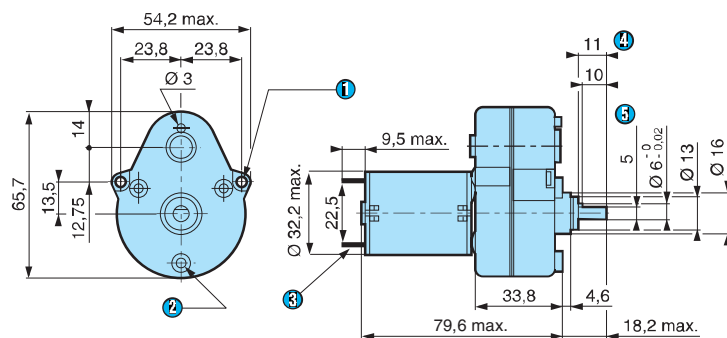
Curve: torque/nominal speed



① rpm

## Dimensions

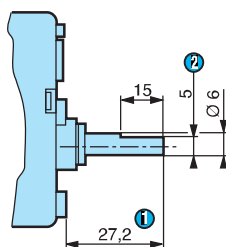
828690



- ① 2 fixing holes Ø 3.2
- ② 3 bosses Ø 7.2 at 120° on R=19.5 with M3 holes
- ③ 2 standard tags NFC 20-120, series 2.8 x 0.5 mm
- ④ Shaft pushed-in
- ⑤ 5 across flats

## Options

Shaft 79202573



- ① Shaft pushed-in
- ② 5 across flats