

D.C. geared motors with brushes

→ 1.2 Nm GDR1 10 and 17 Watts

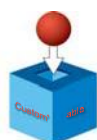
- Torque rating of gearboxes: 1.2 Nm, for long service life
- Motors: nominal power of 10 W and 17 W
- Speed range: 20 to 100 rpm
- Replaceable brushes



Part numbers

		10 W	10 W	17 W	17 W
Type		828120	828120	828020	828020
Voltage		12 V	24 V	12 V	24 V
Output speed (rpm)	Ratios (i)				
100	26	•	•	•	•
80	32.5	•	•	•	•
60	130/3	•	•	•	•
38	67.6	•	•	•	•
30	598/7	•	•	•	•
20	130	•	•	•	•
General characteristics					
Motor		828100	828100	828000	828000
Gearbox		810321	810321	810321	810321
Maximum permitted torque from gearmotor under continuous conditions for 10 millions turns (Nm)		1.2	1.2	1.2	1.2
Axial load dynamic (daN)		3.5	3.5	3.5	3.5
Radial load dynamic (daN)		5	5	5	5
Max. output power (W)		10.3	9.5	16.3	17
Nominal output (W)		9.4	8.7	15.7	15.6
Gearbox case temperature rise (°C)		45	46	44	40
Weight (g)		670	670	670	670

Product adaptations



- Special supply voltage
- Optical or Hall effect encoder
- Special connections
- Special shaft
- Special reduction ratio
- Special materials for gears
- Drawn cup needle bearings
- Special adaptor plate
- With 82830 - 30 W motor

Stocked product

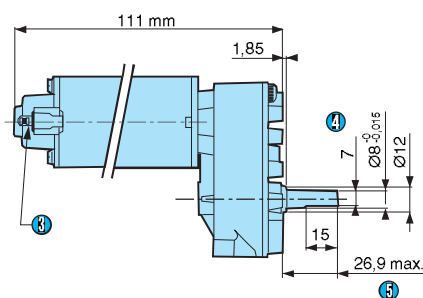
Product made to order

To order, see page 18

Curve: torque/nominal speed 828120



828120 standard



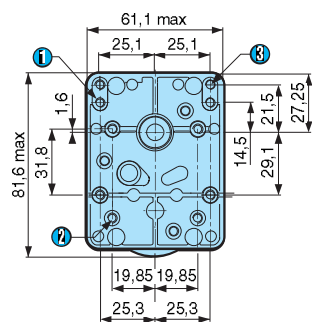
- ① 8 holes M4 depth 7.5
- ② 3 holes M5 at 120° depth 7.5
- ③ 2 tags IEC 760, series 4.8 x 0.5
- ④ 7 across flats
- ⑤ Shaft pushed-in

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Cover E

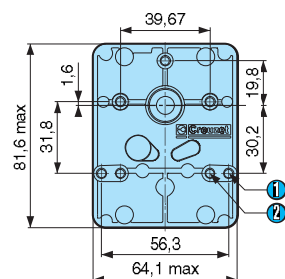


Cover 1



- ❶ 4 holes M4 depth: 7.5 mm
- ❷ 3 holes M5 at 120° depth: 7.5 mm
- ❸ 4 holes M4 depth: 7.5 mm

Cover 2



- ① 3 holes M4 depth: 7.5 mm
② 4 x 8-32 UNC-2B holes depth: 7.5 mm