

# Reversible synchronous geared motors

→ 3 Nm 2.7 Watts

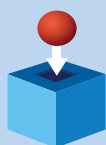
- Mechanical strength : 3 Nm
- Constant speed, dependent on supply frequency
- Direction of rotation controlled by dephasing capacitor
- Permanent magnet rotor
- UL, CSA, VDE approved, comply with IEC standards



## Specifications

			2.7 Watts	2.7 Watts
Type			80 513 0	80 513 5
Voltages/Frequencies			230-240 V 50 Hz	230-240 V 50 Hz
Base speed of motor (rpm)			250	500
Output speed (250 RPM)	Output speed (500 RPM)	Ratios (i)		
12	24	20.83	●	●
6	12	41.66	●	●
3	6	83.33	●	●
1.667	3.333	150	●	●
1.333	2.667	187.5	●	●
0.833	1.667	300	●	●
0.667	1.333	375	●	●
0.417	0.833	600	●	●
0.333	0.667	750	●	●
0.208	0.417	1200	●	●
0.111	0.222	2250	●	●
0.104	0.208	2400	●	●
0.069	0.139	3600	●	●
General characteristics				
Motor			82 510 0	82 510 5
Gearbox			81 023 0	81 023 0
Maximum permitted continuous rated gearbox output torque (Nm)			3	3
Axial load static (daN)			2	2
Radial load static (daN)			3	3
Absorbed power (W)			2.7	2.7
Motor output (W)			0.31	0.52
Maximum temperature rise (°C)			55	65
Ambient temperature (°C)			-10 → +75	-5 → +65
Weight (g)			370	370
Wires length mm (approximately)			250	250
Protection rating			IP00	IP00

## Product adaptations

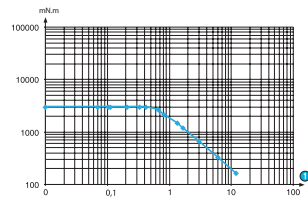


- Special supply voltages
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearings
- Special mounting plate

To order, see page 13

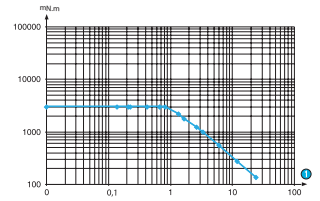
## Curves

Torque / speed curves 80 513 0



① RPM

Torque / speed curves 80 513 5



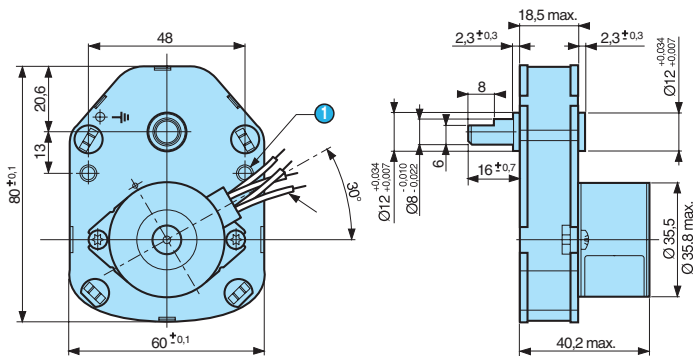
① RPM

## Accessories

Voltages/Frequencies	$\mu\text{F}$	V	Code
Capacitors for motor 82 510 0			
230-240 V - 50 Hz	$0.33 \pm 10\%$	400	26 231 801
115 V - 50/60 Hz	$0.27 \pm 10\%$	250	26 231 851
24 V - 50 Hz	$8.2 \pm 10\%$	70	26 231 711
24 V - 60 Hz	$6.8 \pm 10\%$	63	26 231 708
Capacitors for motor 82 510 5			
230-240 V - 50/60 Hz	$0.39 \pm 10\%$	630	26 231 924
115 V - 50/60 Hz	$0.39 \pm 10\%$	630	26 231 924
24 V - 50/60 Hz	$8.2 \pm 10\%$	70	26 231 711

## Dimensions

80 513 0/5



① 2 fixing holes  $\text{Ø} 4.1 \text{ max.}$

## Other information

The speed of a motor powered by a 60 Hz supply is 20 % higher than that of a motor powered by a 50 Hz supply.