

## 0.5 Nm 3.5 Watts 3.5 Watts Part number made to order



- Mechanical strength : 0.5 Nm
- Constant speed, dependent on supply frequency
- Wide range of speeds available
- Direction of rotation controlled by dephasing capacitor
- Permanent magnet rotor
- UL, CSA approved, comply with IEC standards

### Part numbers

	Type	Type	Base speed of motor (rpm)	Output speed	Ratios (i)	Voltage / Frequency
<b>82 524 013</b>	3.5 Watts	82 524 0	250	2,08 rpm	120	230-240 V - 50 Hz

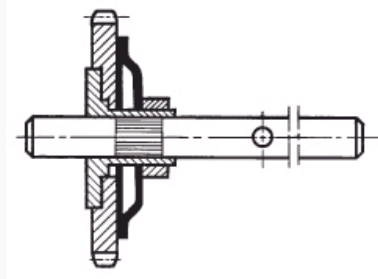
### Specifications

Motor	82 520 0
Gearbox	81 021 0
Maximum permitted continuous rated gearbox output torque for 1 million revolutions of gearbox output shaft (Nm)	0.5
Axial load static (daN)	1
Radial load static (daN)	8
Absorbed power (W)	3,5
Motor output (W)	0,98
Maximum temperature rise (°C)	50
Ambient temperature (°C)	-5 →+70
Weight (g)	140
Wires length mm (approximately)	250
Protection rating	IP40

### Accessories

Voltages/Frequencies	µF	V AC	Code
Capacitors for motor 82 520 0			
230-240 V - 50 Hz	0,1 ± 10 %	500	26 231 941
115 V 60 Hz	0,33 ± 10 %	400	26 231 801
24 V - 50 Hz	8,2 ± 10 %	63	26 231 711

### Principles



This device is situated inside the gearbox and is particularly recommended when gearbox protection is required in the event of accidental overloading.

In this system, the final gear is connected to the gearbox output shaft by means of a friction assembly.

In some cases, this device can be used for time adjustment or zero reset on timers.

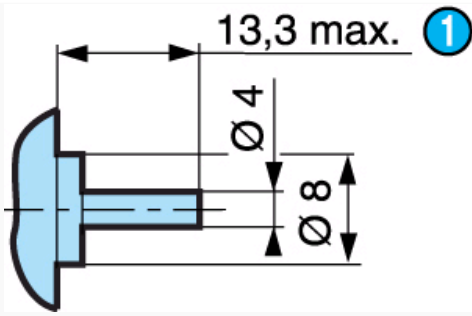
The standard torque setting is from :

- 1.8 to 2.5 cm/kg for gearbox 810210

- 7 to 10 cm/kg for gearbox 810330

### Principles

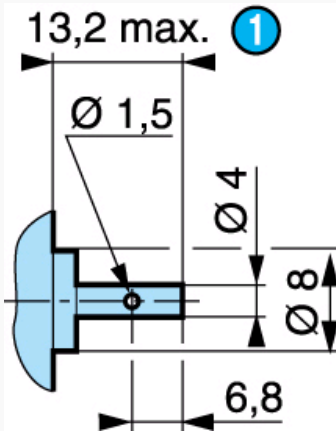




N°	Legend
①	(pushed-in shaft )

#### Dimensions (mm)

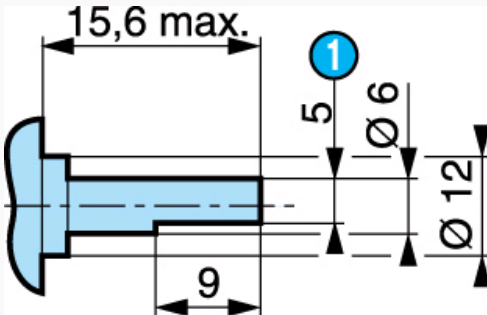
Shaft 79 200 779



N°	Legend
①	(pushed-in shaft )

#### Dimensions (mm)

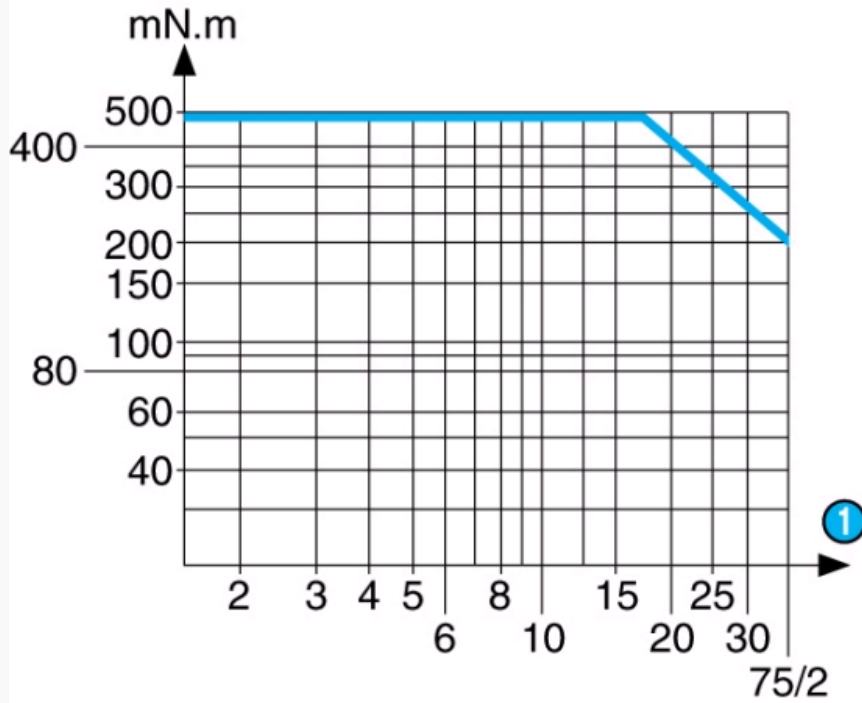
Shaft 70 999 421 SP1295-10



N°	Legend
①	5 across flat

#### Curves

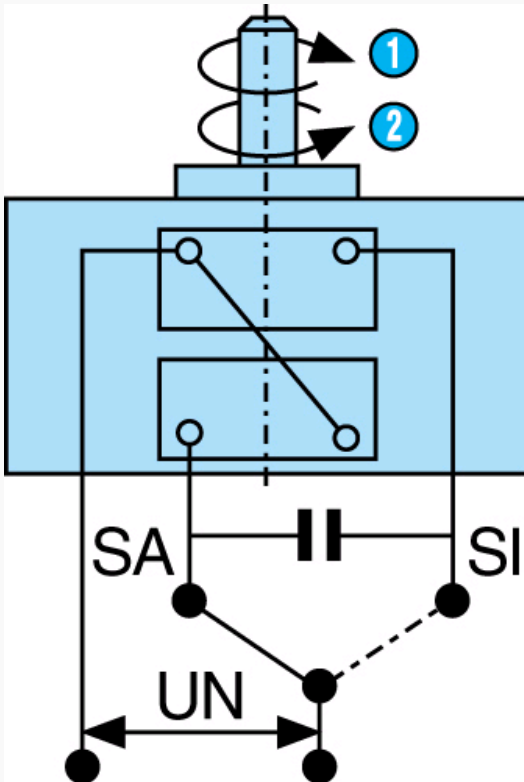
Torque/speed curves 82 524 0



N°	Legend
1	RPM

**Connections**

In parallel  
Motors 82 520 0 - 82 520 4



N°	Legend
1	SA : Clockwise
2	SI : Anti-clockwise

**Product adaptations**

- Different voltages available
- Special cable lengths
- Special connectors
- Special output shafts
- Special gearbox ratios
- Special gear wheel material
- Special output bearing