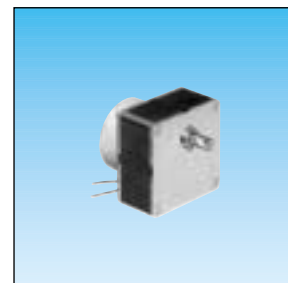


Reversible synchronous geared motors with capacitor

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



Applications

- Valve actuation
- Blind, louvre and vane actuation
- Office equipment
- Boiler systems
- Amusement machines
- Vending machines
- Medical equipment
- Laboratory equipment
- Peristaltic pumps

Types

			80 517 3	80 527 0	80 527 4
Voltages / Frequencies			230-240 V 50 Hz	230-240 V 50 Hz	230-240 V 50 Hz
Base speed of motor (rpm)			250	250	375
Output speeds (rpm)			Part numbers		
			Ratios (i)		
Motors	250 rpm	375 rpm			
	20	30	12.5	•	•
	10	15	25	•	•
	8	12	31.25	•	•
	6	9	41.66	•	•
	4	10	62.5	•	•
	3	4.5	83.33	•	•
	2	3	125	•	•
	1	1.5	250	•	•
	0.5	0.75	500	•	•
	0.33	0.5	750	•	•
	0.1	0.15	2500	•	•

Standard gearbox shaft: see dimensions

General characteristics

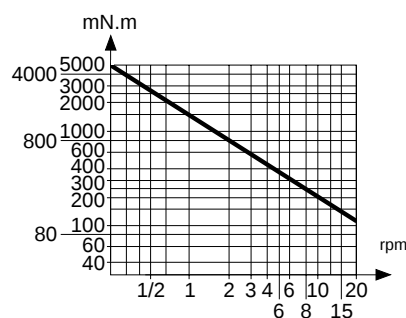
Motor		82 510 3	82 520 0	82 520 4
Gearbox		81 037 0	81 037 0	81 037 0
Maximum permitted continuous rated gearbox output torque for 1 million revolutions of gearbox output shaft	N.m	5	5	5
Axial load (static)	daN	2	2	2
Radial load (static)	daN	3	3	3
Absorbed power	W	2.7	3.5	3.5
Usable motor power	W	0.31	0.98	1.12
Maximum temperature rise	°C	50	50	50
Ambient temperature	°C	-10+70	-10+70	-10+70
Weight	g	410	530	530
Lead length (approx.)	mm	250	250	250
Protection		IP40	IP40	IP40

Options : for made to order products non stocked

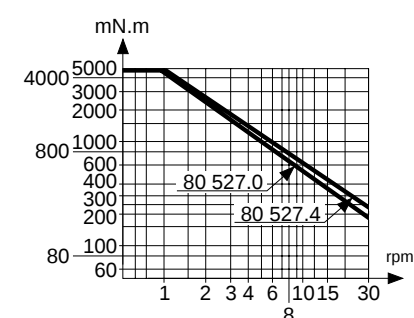
Voltages / Frequencies	24-115 V 60 Hz	•	•	•
	24 V 50 Hz	•	•	•
Round shaft 79 306 478 (see page 2/29)		•	•	•

Torque / Speed curves

80 517 0



80 527 0 - 80 527 4

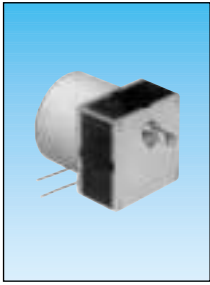


Capacitors (supplied only on request)

Voltages / Frequencies	μF	V	Part number	Voltages / Frequencies	μF	V	Part number
Motor 82 510 0				Motor 82 520 0			
230-240 V 50 Hz	0.33 ± 10%	400	26 231 801	230-240 V 50 Hz	0.10 ± 10%	700	26 231 941
115 V 50/60 Hz	0.27 ± 10%	250	26 231 851	115 V 60 Hz	0.33 ± 10%	400	26 231 801
24 V 50 Hz	8.2 ± 10%	63	26 231 711	24 V 50 Hz	8.2 ± 10%	63	26 231 711
24 V 60 Hz	6.8 ± 10%	63	26 231 148				
Motor 82 520 4							
230-240 V 50 Hz	0.12 ± 10%	630	26 231 903				
115 V 60 Hz	0.39 ± 10%	630	26 231 924				
24 V 50 Hz	15 ± 10%	63	26 231 729				
24 V 60 Hz	12 ± 10%	63	26 231 727				

Other information

For basic principles, see page 2/6



80 547 0

230-240 V
50 Hz
250

80 547 024
80 547 015

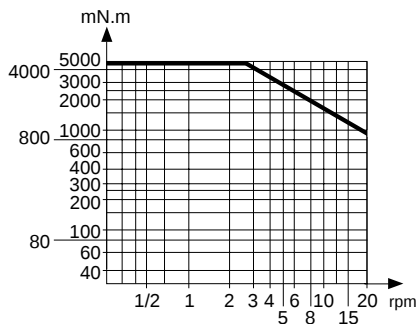
80 547 016
80 547 017
80 547 018
80 547 019
80 547 020
80 547 021

82 540 0
81 037 0

5

2
3
7.2
2.65
55
-10+70
860
250

80 547 0



Voltages / Frequencies	μF	V	Part number
Motor 82 540 0			
230-240 V 50 Hz	0.22 ± 10%	630	26 231 908
115 V 60 Hz	0.56 ± 5%	400	26 231 922
24 V 50 Hz	15 ± 10%	63	26 231 729
24 V 60 Hz	15 ± 10%	63	26 231 729

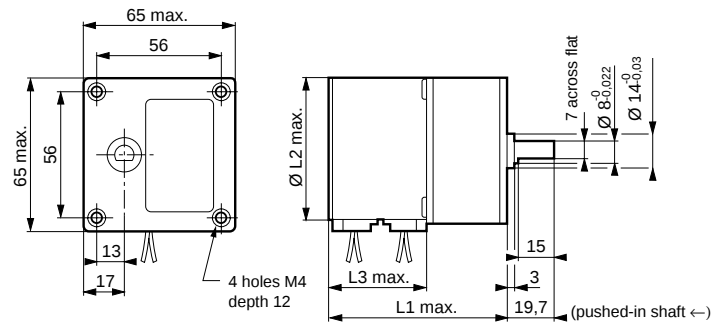
1

2

3

Dimensions

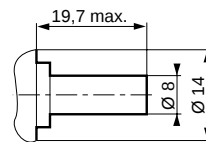
80 517 0 - 80 527 0 - 80 527 4 - 80 547 0



Type	L1 (mm)	Ø L2 (mm)	L3 (mm)
80 517 0	55.3	35.8	21.7
80 527 0	59.2	51.3	25.6
80 527 4	59.2	51.3	25.6
80 547 0	76.6	65.3	43

Shaft 79 206 478

(pushed-in shaft ←)



4

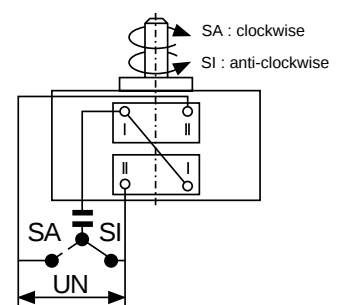
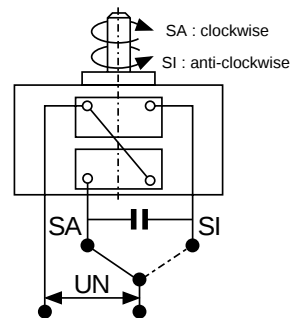
Connections

In parallel

Motors 82 510 0 - 82 520 0 - 82 520 4
82 540 0

In series

Motor 82 510 0 only
230V - 240V 50 Hz version



To order, specify :

Standard products

3 Part number

Example : Synchronous geared motor 80 527 010

Standard products,
non stocked

1 Type

2 Voltage /
Frequency

3 Output
speed

4 Option

Example : Reversible synchronous geared motor 80 517 0 - 230 V 50 Hz - 20 rpm