

Direct drive reversible synchronous motors

→ Starting/running torque 12 mNm

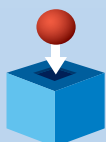
- Constant speed, dependant upon supply frequency
- Direction of rotation controlled by dephasing capacitor
- Sintered bearing lubricated for life
- Silent operation
- UL, CSA (class B) - VDE approved.



Specifications

	2.7 Watts	2.7 Watts
Type	82 510 0	82 510 5
Voltages/Frequencies	230 - 240 V 50 Hz	230 - 240 V - 50/60 Hz
Part numbers	82 510 0	82 510 5
General characteristics		
Base speed of motor (rpm)	250	500
Absorbed power (W)	2.7	2.7
Usable Power (W)	0.31	0.52
Starting/running torque (mN.m)	12	10
Stall torque (mN.m)	15	12
Temperature rise (°C)	55	65
Ambient temperature (°C)	-10 +75	-5 +65
Maximum inertial load that can be moved (g.cm ²)	22	22
Number of offload starts	∞	∞
Insulation resistance (MΩ)	75x10 ³	75x10 ³
Breakdown voltage (V-50 Hz)	1800-1 sec	1800-1 sec
Weight (g)	90	90
Wires length mm (approximately)	250	250
Protection rating	IP40	IP40

Product adaptations



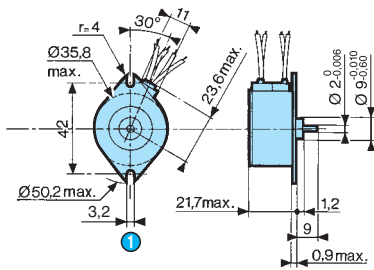
- Special output shafts
- Pinion on output shaft
- Special supply voltages
- Special cable lengths
- Special output bearings
- Special mounting plate
- Special connectors

Accessories

Voltages/Frequencies	μF	V	Code
Capacitors motors 82 510 0/3			
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 motor 82 510 5/8			
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

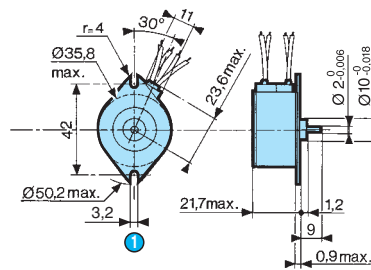
Dimensions

82 510 0



① 2 fixing holes $\varnothing 3.2$

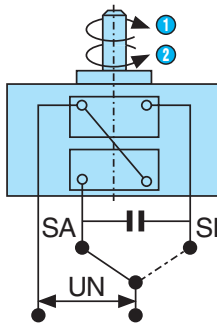
82 510 5



① 2 fixing holes $\varnothing 3.2$

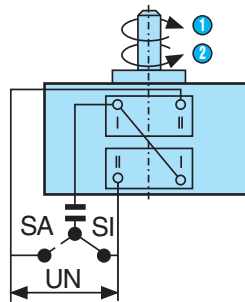
Connections

In parallel
Motors 82 510 0



① SA : Clockwise
② SI : Anti-clockwise

In series
Motors 82 510 0/5 only
230 V - 240 V 50 Hz version



① SA : Clockwise
② SI : Anti-clockwise

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.

Direct drive reversible synchronous motors

→ Starting/running torque from 30 and 37.5 mN.m

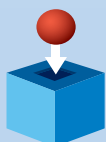
- Constant speed, dependent on supply frequency
- Direction of rotation controlled by dephasing capacitor
- Sintered bearing lubricated for life
- Silent operation
- UL, CSA (classe B) - VDE approved



Specifications

	3.5 Watts	3.5 Watts
Type	82 520 0	82 520 4
Voltages/Frequencies	230-240 V 50 Hz	230-240 V 50 Hz
Part numbers	82 520 014	82 520 4
General characteristics		
Base speed of motor (rpm)	250	375
Absorbed power (W)	3.5	3.5
Usable Power (W)	0.98	1.12
Starting/running torque (mN.m)	37.5	30
Stall torque (mN.m)	42	31
Temperature rise (°C)	55	55
Ambient temperature (°C)	-10+75	-10+75
Maximum inertial load that can be moved (g.cm ²)	33	33
Number of offload starts	∞	∞
Insulation resistance (MΩ)	75x10 ³	75x10 ³
Breakdown voltage (V-50 Hz)	1800 -1 sec.	1800 -1 sec.
Weight (g)	210	210
Wires length mm (approximately)	250	250
Protection rating	IP40	IP40

Product adaptations



- Special output shafts
- Pinion on output shaft
- Special supply voltages
- Special cable lengths
- Special output bearings
- Special mounting plate
- Special connectors

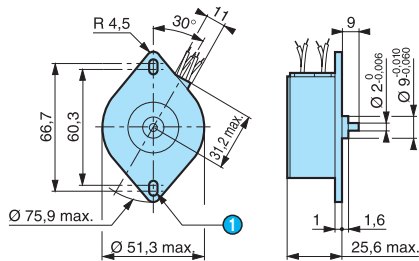
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Accessories

Voltages/Frequencies	μF	V	Code
Capacitors motor 82 520 0			
230-240 V - 50 Hz	$0.10 \pm 10 \%$	700	26 231 941
115 V 60 Hz	$0.33 \pm 10 \%$	400	26 231 801
24 V - 50 Hz	$8.2 \pm 10 \%$	70	26 231 711
Capacitors motor 82 520 4			
230/240 V - 50 Hz	$0.12 \pm 10 \%$	600	26 231 903
115 V - 60 Hz	$0.39 \pm 5 \%$	630	26 231 924
24 V - 50 Hz	$15 \pm 5 \%$	70	26 231 728
24 V - 60 Hz	$12 \pm 5 \%$	63	26 231 145

Dimensions

82 520 0

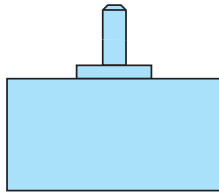


① 2 oblong fixing holes 3.5 wide

Connections

In parallel

Motors 82 520 0 - 82 520 4



① SA : Clockwise

② SI : Anti-clockwise

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.

Direct drive reversible synchronous motors

→ Starting/running torque 55 mN.m

- Constant speed, dependent on supply frequency
- Direction of rotation controlled by dephasing capacitor
- Sintered bearing lubricated for life
- Silent operation
- UL, CSA (class B) - VDE approved.



Specifications

Type	82 530 0
Voltage / Frequency	230-240 V 50 Hz
Part numbers	82 530 0
General characteristics	
Base speed of motor (rpm)	250
Absorbed power (W)	3.6
Usable Power (W)	1.37
Starting/running torque (mN.m)	55
Stall torque (mN.m)	58
Temperature rise (°C)	45
Ambient temperature (°C)	-10 → +85
Maximum inertial load that can be moved (g.cm ²)	130
Number of offload starts	∞
Insulation resistance (MΩ)	75x10 ³
Breakdown voltage (V-50 Hz)	1800 -1 sec.
Weight (g)	340
Wires length mm (approximately)	250
Protection rating	IP40

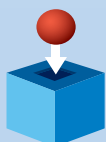
3.6 Watts

82 530 0

230-240 V 50 Hz

82 530 0

Product adaptations



- Special output shafts
- Pinion or bush on output shaft
- Special supply voltages
- Special cable lengths
- Special output bearings
- Special mounting plate
- Special connectors

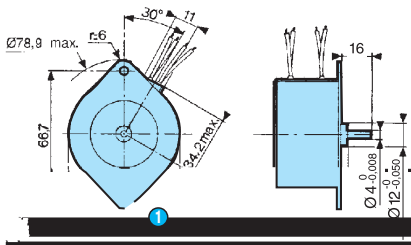
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Accessories

Voltages/Frequencies	μF	V	Code
Capacitors motor 82 530 0			
230-240 V - 50 Hz	$0.10 \pm 10 \%$	700	26 231 941
115 V 50/60 Hz	$0.39 \pm 10 \%$	630	26 231 924
24 V - 50 Hz	$10 \pm 5 \%$	100	26 231 720
24 V - 60 Hz	$6.8 \pm 10 \%$	63	26 231 708

Dimensions

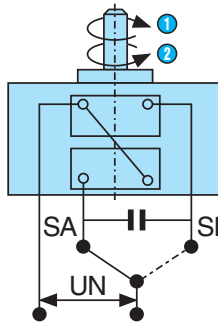
82 530 0



① 2 fixing holes $\varnothing 4.4$

Connections

In parallel
Motors 82 530 0



① SA : Clockwise
② SI : Anti-clockwise

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.

Direct drive reversible synchronous motors

→ Starting/running torque 106 mN.m

- Constant speed, dependent on supply frequency
- Direction of rotation controlled by dephasing capacitor
- Sintered bearing lubricated for life
- Silent operation
- UL, CSA (class B) - VDE approved.



Specifications

Type	82 540 0
Voltages/Frequencies	230-240 V 510 Hz
Part numbers	82 540 0
General characteristics	
Base speed of motor (rpm)	250
Absorbed power (W)	7.2
Usable Power (W)	2.65
Starting/running torque (mN.m)	106
Stall torque (mN.m)	118
Temperature rise (°C)	60
Ambient temperature (°C)	-10 +70
Maximum inertial load that can be moved (g.cm ²)	180
Number of offload starts	∞
Insulation resistance (MΩ)	75x10 ³
Breakdown voltage (V-50 Hz)	1800 -1 sec.
Weight (g)	540
Wires length (mm)	250
Protection rating	IP40

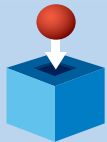
7.2 Watts

82 540 0

230-240 V 510 Hz

82 540 0

Product adaptations



- Special output shafts
- Pinion on output shaft
- Special supply voltages
- Special cable lengths
- Special output bearings
- Special mounting plate
- Special connectors

To order, see page 13

