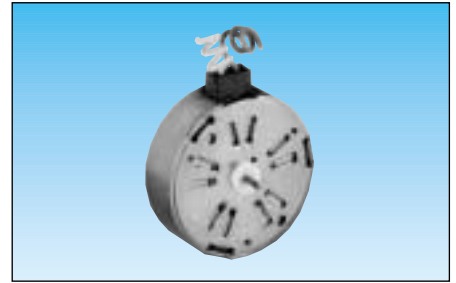


# Single direction direct drive permanent magnet synchronous motors

- Constant speed (600 rpm) dependent on supply frequency
- Usable power of 0.16 watts
- Direction of rotation controlled by long-life mechanical anti-return (>10<sup>7</sup> starts)
- Permanent magnet rotor with 5 pole pairs
- Toughened shaft turning on two moulded polyamide bearings
- UL, CSA (class B) - VDE approved.



## Applications

- Programming devices
- Mixers
- Medical equipment
- Motorised displays
- Plotters and chart recorders

## Made to order products, non stocked

- other supply voltages/frequencies
- lead length

## Other information

For basic principles, see page 2/6.  
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.

## Type

82 340 0

## Voltage and frequency

230 V 50 Hz

## Direction of rotation / Part numbers

Clockwise	82 340 194
Anti-clockwise	82 340 195

## General characteristics

Base speed of motor	rpm	600
Absorbed power	W	3
Output power	W	0.16
Starting/running torque (1)	mN.m	2.5
Stall torque (1)	mN.m	3.3
Torque developed at 1 RPM (2)	N.m	1.8
Temperature rise	°C	55
Ambient temperature	°C	-5 +60
Maximum inertial load that can be moved	g.cm <sup>2</sup>	4.6
Number of motor starts without load (3)	10 <sup>6</sup>	10
Max. reverse rotation angle	°	360
Insulation resistance	MΩ	75 x 10 <sup>3</sup>
Breakdown voltage	V-50 Hz	1800 -1 sec.
Weight	g	110
Lead length (approx.)	mm	250
Protection		IP30

(1) Load only

(2) This torque does not take efficiency into account

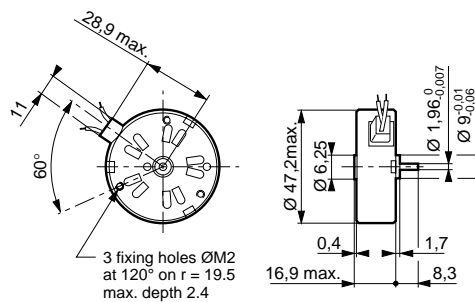
(3) Anti-return fitted

## Options : for made to order products non stocked

Voltages / Frequencies	24 V - 50 Hz	●
	24/48 V - 50 Hz	●
	24 - 115 V - 60 Hz	●
	115/230 V - 50Hz	●
For version with no anti-return (SAR version) see page 2/6		●

## Dimensions

82 340 0



## To order, specify :

### Standard products

**3** Part number

Example : Synchronous geared motor, 82 340 194

### Standard products, non stocked

**1** Type

**2** Voltage / frequency

**3** Direction of rotation

**4** Option

Example : Synchronous geared motor, 82 340, 24 V 50 Hz - CW