



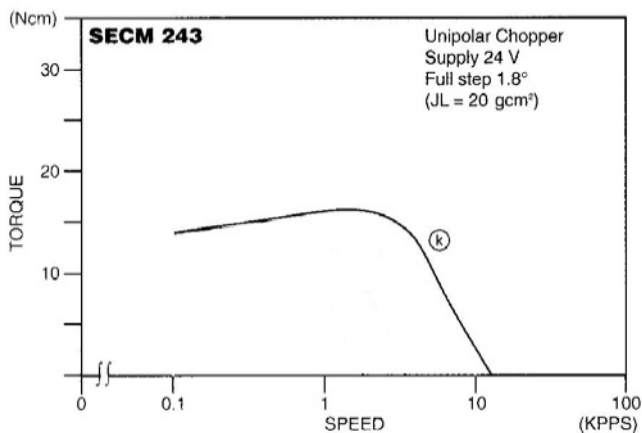
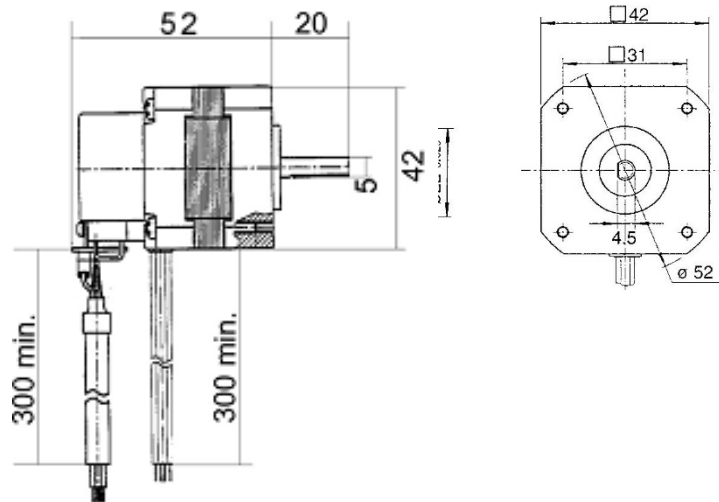
SECM243er Baureihe

2-Phasen-Schrittmotor mit Encoder

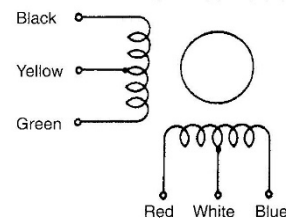
[1,8° High-Torque-Version]

| Model | ● Bipolar (Series) | | | | ● Unipolar | | | | Speed Torque |
|--|---------------------|---------------------|--------------------------|-------------------------|---------------------|---------------------|--------------------------|-------------------------|--------------|
| | Holding Torque [Nm] | Current / Phase [A] | Resistance / Phase [Ohm] | Inductance / Phase [mH] | Holding Torque [Nm] | Current / Phase [A] | Resistance / Phase [Ohm] | Inductance / Phase [mH] | |
| SECM243-S1.0P2200 P = Line Driver 200 Pulse/Umd. | 0.21 | 0.67 | 8.4 | 11.2 | 0.16 | 0.95 | 4.2 | 2.8 | k |

| Number of Leads | Weight of Motor & Encoder | Size Length | Rotor Inertia |
|-----------------|---------------------------|-------------|--|
| 6 | 0.23 kg | 52 mm | 35 x 10 ⁻⁷ kgm ² |



Schrittmotoranschluss



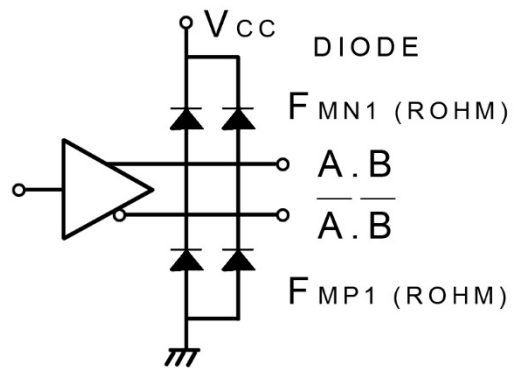
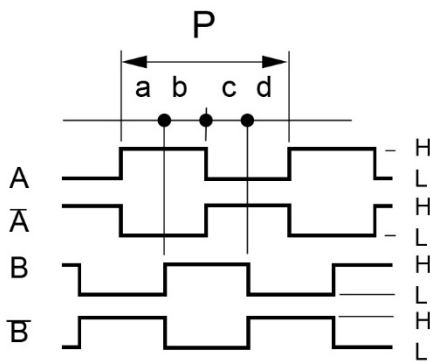
Optional sind für unsere Schrittmotoren auch Planetengetriebe erhältlich.



Encoder Performance

Operating Temp.range : 0°C – 85°C
 Supply : DC 5V ± 5% , 100mA max
 Resolution : 200 Counts / Turn
 Frequency Response : 100K Hz max.
 A phase difference : 1/4 P ± 1/8 P
 Code : Incremental A.B (2Ch.)

Output Signal : when output is high : DC 2.4V min
 Output Signal : when output is low : DC 0.4V max
 Sinking & Output Current : typical ± 20mA max
 Rise & Fall Times : 1 µsec max
 Moment of inertia : 5 g·cm² max Encoder only
 Output Circuit : Line Driver AM26C3IIDB



CW Rotation viewed from mounting end. Encoder signal A and B position is “H” at Motor 2Phase on.

Color of Leadwires and Funktion :

| | | |
|-------------|------------------|--------------------------|
| DC 5V = red | A phase = brown | \bar{A} phase = orange |
| GND = blue | B phase = yellow | \bar{B} phase = gray |

(Old-Version)

| | |
|------------------|--------------------------|
| A phase = brown | \bar{A} phase = orange |
| B phase = yellow | \bar{B} phase = white |
| DC 5V = red | GND = black |