



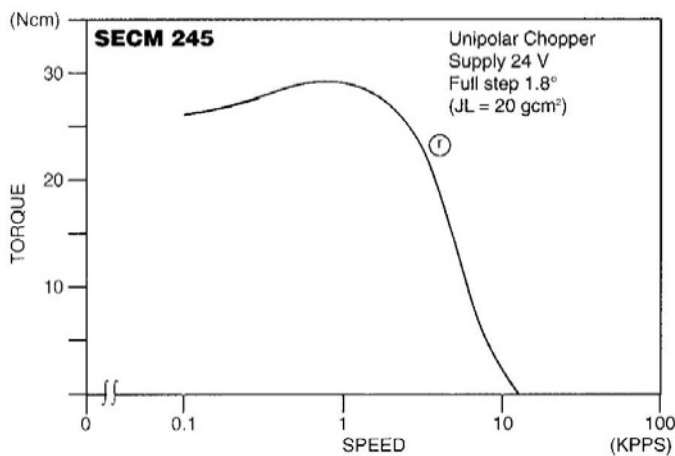
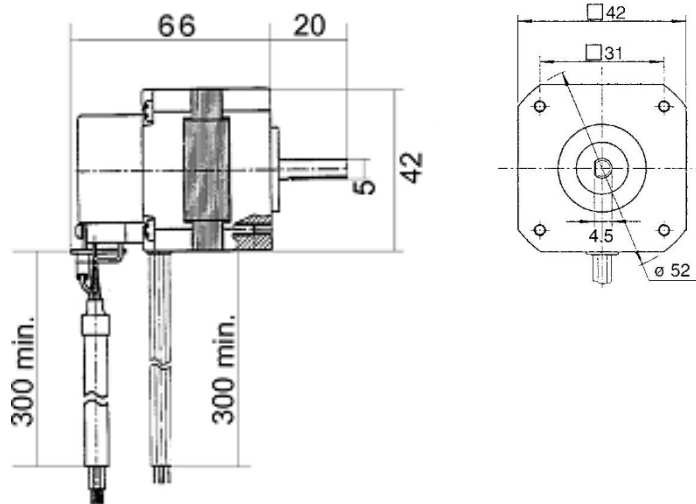
## SECM245er Baureihe

### 2-Phasen-Schrittmotor mit Encoder

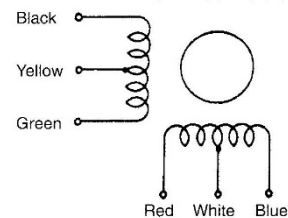
#### [1,8° High-Torque-Version]

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]	
SECM245-S1.2P2200 P = Line Driver 200 Pulse/Umd.	0.41	0.85	6.6	12	0.32	1.2	3.3	3	r

Number of Leads	Weight of Motor & Encoder	Size Length	Rotor Inertia
6	0.36 kg	66 mm	68 x 10 <sup>-7</sup> kgm <sup>2</sup>



#### Schrittmotoranschluss



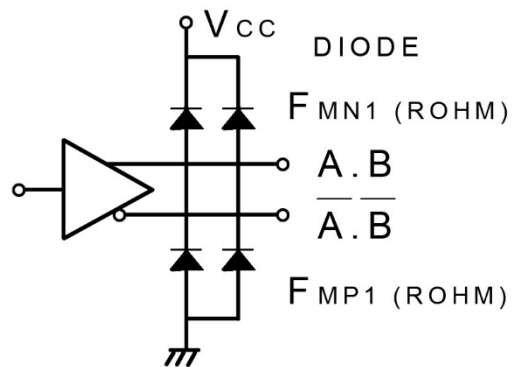
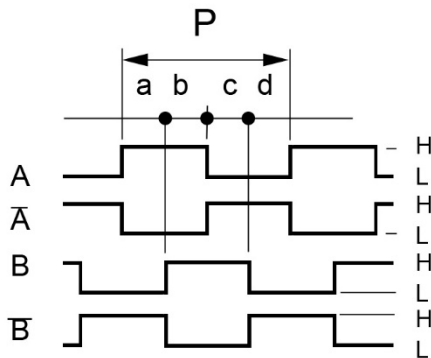
Optional sind für unsere Schrittmotoren auch Planetengetriebe erhältlich.



## 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-cm<sup>2</sup> 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