



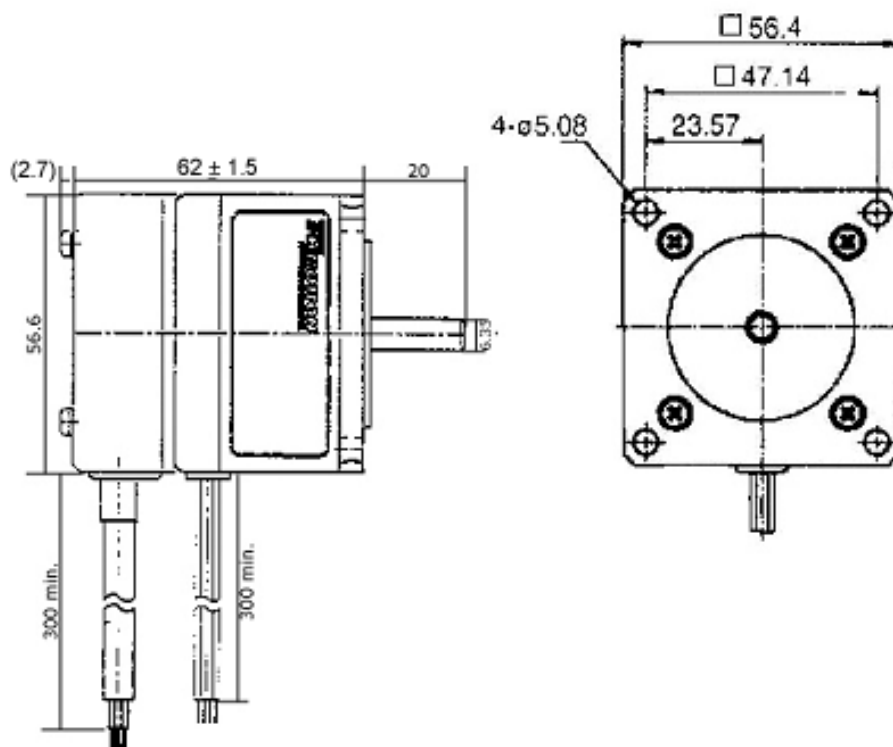
ECM264 Baureihe

2-Phasen-Schrittmotor mit Encoder [1,8° Standard-Version]

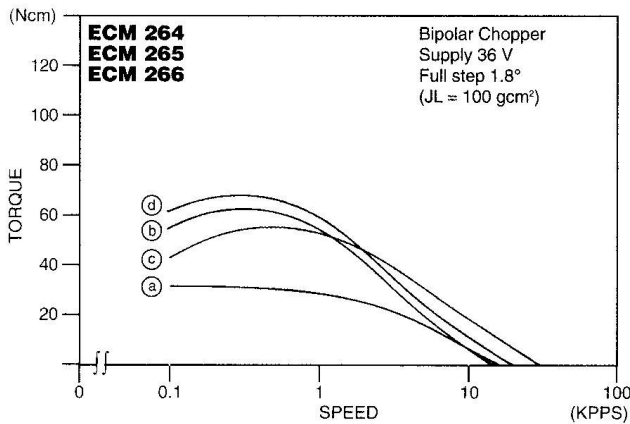
Auslaufmodell

| Model | ● Bipolar Parallel | | | | ● Bipolar Seriell | | | | ● 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] | Holding Torque [Nm] | Current / Phase [A] | Resistance / Phase [Ohm] | Inductance / Phase [mH] | |
| ECM264-E1.5P2200 | 0.4 | 2.1 | 0.75 | 1.8 | 0.4 | 1.05 | 3 | 7.2 | 0.29 | 1.5 | 1.5 | 1.8 | a |

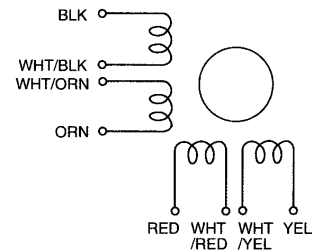
| | | | |
|-----------------|---------------------------|-------------|-----------------------------------|
| Number of Leads | Weight of Motor & Encoder | Size Length | Rotor Inertia |
| 8 | 0.45 kg | 64.7mm | $57 \times 10^{-7} \text{ kgm}^2$ |



Optional sind für unsere Schrittmotoren Planetengetriebe erhältlich.



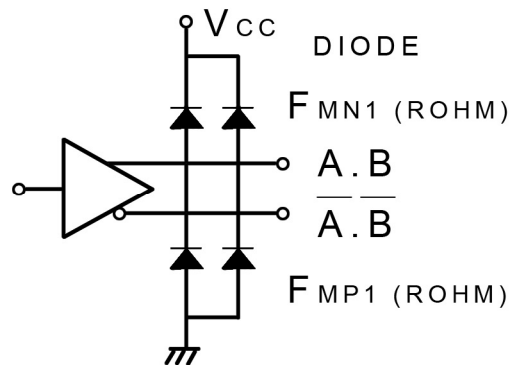
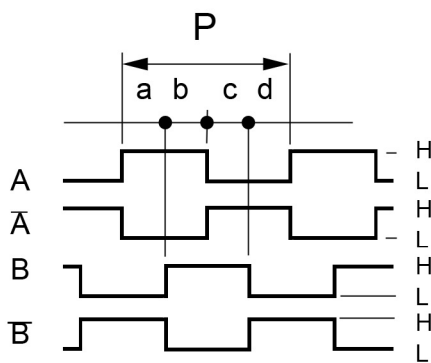
Schrittmotoranschluss



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 A-bar phase = orange
 GND = blue B phase = yellow B-bar phase = gray

(Old-Version)

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



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