

Motortyp XBP043FXxxx-03

Bürstenloser Gleichstrommotor mit Planetengetriebe
mit Encoder
Nennspannung 24V

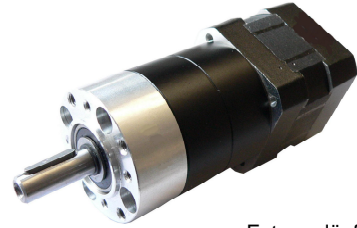
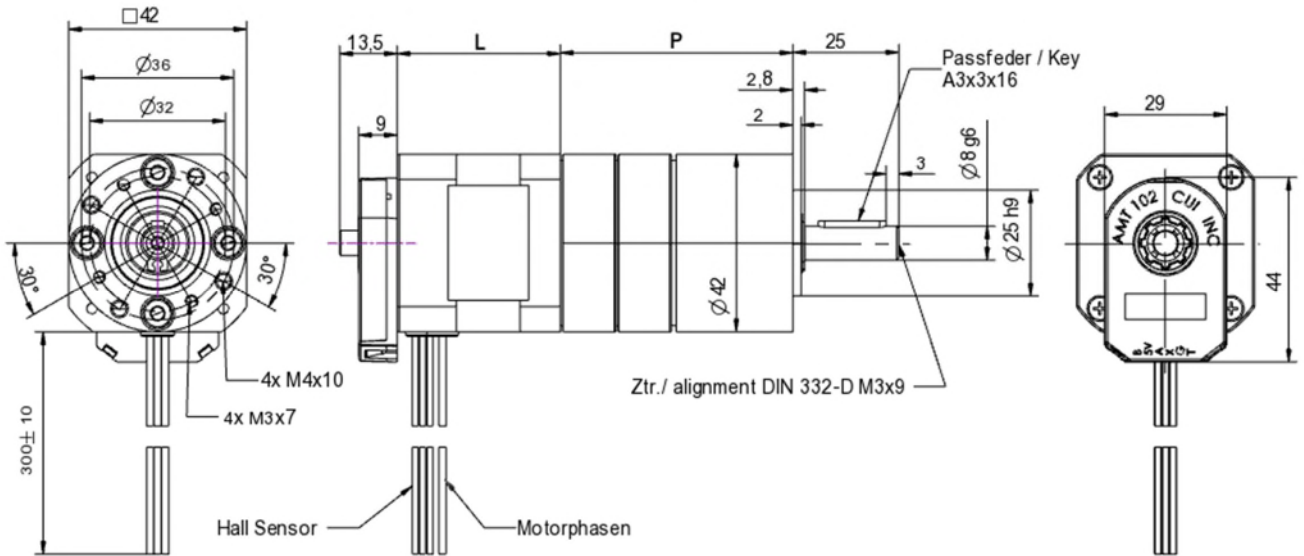


Foto vorläufig

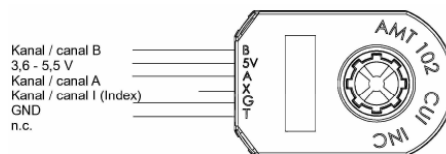
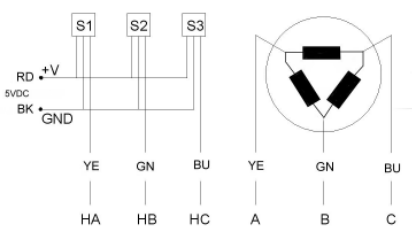
Abmaße



nicht maßstabsgetreu!

| Motordaten | | XBP043FX1xx-03 | XBP043FX3xx-03 | XBP043FX4xx-03 |
|-----------------------|------------------|----------------|----------------|----------------|
| Motorlänge L | mm | 41 | 58 | 83 |
| Anzahl Pole | | | 8 | |
| Anzahl Phasen | | | 3 | |
| Nennspannung | V | | 24 | |
| Nenn Drehzahl | rpm | | 4000 | |
| Nenn Drehmoment | Nm | 0,063 | 0,14 | 0,22 |
| Wicklungswiderstand | Ohm | 1,9 | 0,52 | 0,4 |
| Wicklungsinduktivität | mH | 0,4 | 0,28 | 0,17 |
| Rück EMK | V/krpm | 4,2 | 4,2 | 4,3 |
| Rotor Trägheitsmoment | gcm ² | 34 | 8 | 5 |
| Nennstrom | A | 1,4 | 3,85 | 5,35 |

Schaltbild

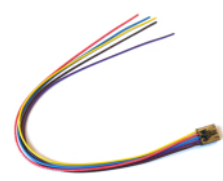



Impulse / Ankerumdrehung
pulse per revolution
500

Änderungen und Irrtümer auch technischer Art vorbehalten

| | | | | XBP043FX1xx-03 | XBP043FX3xx-03 | XBP043FX4xx-03 | Getriebe* |
|----|-------|--------|--------------|----------------|----------------|----------------|-------------|
| xx | P | i | n [U/min] | Mn Nm | Mn Nm | Mn Nm | Mzul. Nm |
| 01 | 41,2 | 4,28 | 935 | 0,2 | 0,5 | 0,8 | 3 |
| 02 | | 5,18 | 772 | 0,3 | 0,6 | 0,9 | |
| 03 | | 6,75 | 593 | 0,3 | 0,8 | 1,2 | |
| 05 | 54,3 | 15,88 | 252 | 0,8 | 1,7 | 2,6 | 7,5 |
| 06 | | 18,36 | 218 | 0,9 | 1,9 | 3,0 | |
| 07 | | 19,20 | 208 | 0,9 | 2,0 | 3,2 | |
| 08 | | 22,20 | 180 | 1,0 | 2,3 | 3,7 | |
| 09 | | 25,01 | 160 | 1,2 | 2,6 | 4,1 | |
| 10 | | 26,85 | 149 | 1,3 | 2,8 | 4,4 | |
| 11 | | 28,93 | 138 | 1,4 | 3,0 | 4,8 | |
| 12 | | 34,97 | 114 | 1,7 | 3,7 | 5,8 | |
| 13 | 45,56 | 88 | 2,2 | 4,8 | 7,5 | | |
| 15 | 67,4 | 58,85 | 68 | 2,6 | 5,8 | 9,1 | 15 |
| 16 | | 68,06 | 59 | 3,0 | 6,7 | 10,5 | |
| 17 | | 71,16 | 56 | 3,1 | 7,0 | 11,0 | |
| 18 | | 78,71 | 51 | 3,5 | 7,7 | 12,1 | |
| 19 | | 92,70 | 43,1 | 4,1 | 9,1 | 14,3 | |
| 21 | | 99,50 | 40,2 | 4,4 | 9,8 | 15 | |
| 23 | | 115,07 | 34,8 | 5,1 | 11,3 | 15 | |
| 24 | | 123,97 | 32,3 | 5,5 | 12,1 | 15 | |
| 25 | | 129,62 | 30,9 | 5,7 | 12,7 | 15 | |
| 26 | | 139,13 | 28,8 | 6,1 | 13,6 | 15 | |
| 27 | | 149,90 | 26,7 | 6,6 | 14,7 | 15 | |
| 28 | | 168,84 | 23,7 | 7,4 | 15 | 15 | |
| 30 | | 195,26 | 20,5 | 8,6 | 15 | 15 | |
| 31 | | 236,09 | 16,9 | 10,4 | 15 | 15 | |
| 32 | | 307,54 | 13,0 | 13,6 | 15 | 15 | |

* maximal zulässiges Drehmoment des Getriebes.
Eventuell den Strom des Motors entsprechend begrenzen.

| Zubehör-Encoder | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-------|---|------|----|--------|---|------|---|------|---|-------|---|--------|-------|---|-------|----|-----|---|------|---|------|---|---------|
| Art.-Nr. A10511-006 | Art.-Nr. A10511-007 | | | | | | | | | | | | | | | | | | | | | | | | |
| Kabel: L= 30,5 cm | Kabel: L=183 cm | | | | | | | | | | | | | | | | | | | | | | | | |
|  <table border="1"> <thead> <tr> <th>Signal</th> <th>Farbe</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>gelb</td> </tr> <tr> <td>5V</td> <td>orange</td> </tr> <tr> <td>A</td> <td>blau</td> </tr> <tr> <td>X</td> <td>lila</td> </tr> <tr> <td>G</td> <td>braun</td> </tr> </tbody> </table> | Signal | Farbe | B | gelb | 5V | orange | A | blau | X | lila | G | braun |  <table border="1"> <thead> <tr> <th>Signal</th> <th>Farbe</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>braun</td> </tr> <tr> <td>5V</td> <td>rot</td> </tr> <tr> <td>A</td> <td>weiß</td> </tr> <tr> <td>X</td> <td>grün</td> </tr> <tr> <td>G</td> <td>schwarz</td> </tr> </tbody> </table> | Signal | Farbe | B | braun | 5V | rot | A | weiß | X | grün | G | schwarz |
| Signal | Farbe | | | | | | | | | | | | | | | | | | | | | | | | |
| B | gelb | | | | | | | | | | | | | | | | | | | | | | | | |
| 5V | orange | | | | | | | | | | | | | | | | | | | | | | | | |
| A | blau | | | | | | | | | | | | | | | | | | | | | | | | |
| X | lila | | | | | | | | | | | | | | | | | | | | | | | | |
| G | braun | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal | Farbe | | | | | | | | | | | | | | | | | | | | | | | | |
| B | braun | | | | | | | | | | | | | | | | | | | | | | | | |
| 5V | rot | | | | | | | | | | | | | | | | | | | | | | | | |
| A | weiß | | | | | | | | | | | | | | | | | | | | | | | | |
| X | grün | | | | | | | | | | | | | | | | | | | | | | | | |
| G | schwarz | | | | | | | | | | | | | | | | | | | | | | | | |