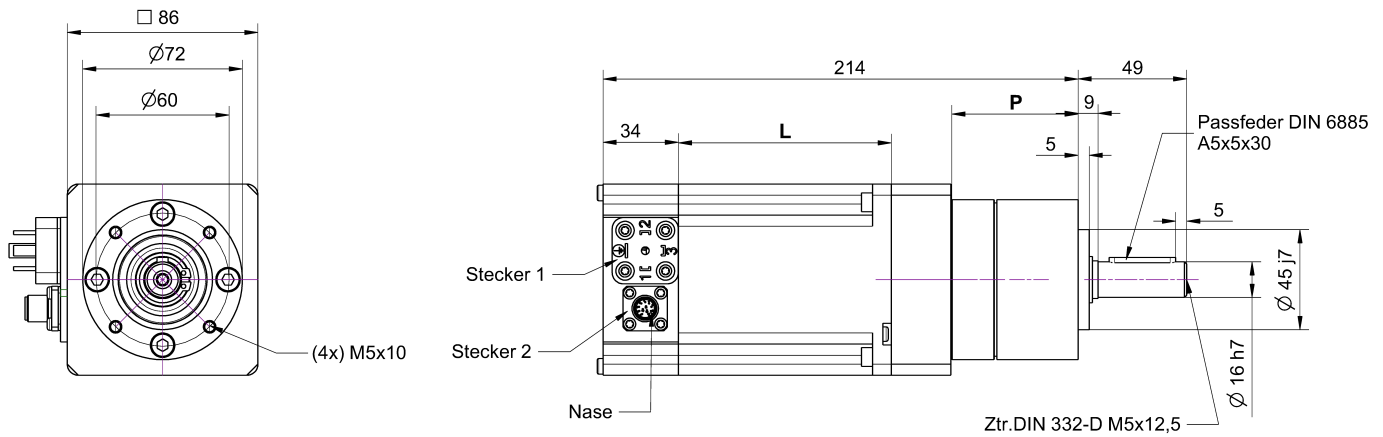


# Motortyp XBP086xxx-06

Bürstenloser Gleichstrommotor  
Nennspannung 48V



## Abmaße

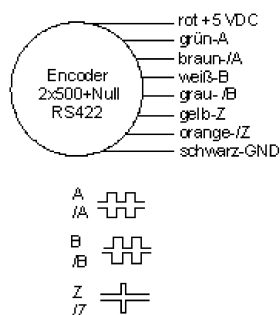


nicht maßstabsgetreu!

| Motordaten            |                  | XBP0863xx-06 | XBP0864xx-06 |
|-----------------------|------------------|--------------|--------------|
| Motorlänge L          | mm               | 96           | 123          |
| Anzahl Pole           |                  | 4            |              |
| Anzahl Phasen         |                  | 3            |              |
| Nennspannung          | V                | 48           |              |
| Nenn Drehzahl         | rpm              | 4400         |              |
| Nenn Drehmoment       | Nm               | 1,05         | 1,43         |
| Wicklungswiderstand   | Ohm              | 0,11         | 0,0733       |
| Wicklungsinduktivität | mH               | 0,5          | 0,3          |
| Rück EMK              | V/krpm           | 8,7          | 8,7          |
| Rotor Trägheitsmoment | gcm <sup>2</sup> | 1400         | 2100         |
| Nennstrom             | A                | 12,2         | 18,2         |

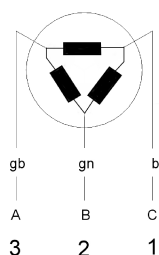
| Steckerbelegung |     |
|-----------------|-----|
| Stecker 2       | Pin |
| V+              | 1   |
| HA              | 2   |
| Gnd             | 3   |
| HB              | 4   |
| HC              | 5   |
| V+              | 1   |
| Gnd             | 3   |
| A               | 6   |
| A/              | 7   |
| B               | 8   |
| B/              | 9   |
| Z               | 10  |
| Z/              | 11  |

### Encoder Schaltbild:

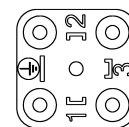


Bei Rechtstaus auf  
Motorwelle gesehen

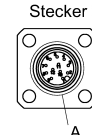
### Stecker 1



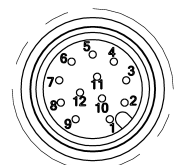
### Stecker 1



### Stecker 2



### Detail A



Änderungen und Irrtümer auch technischer Art vorbehalten!

|    |         |         |              | XBP0863xx-06         | XBP0864xx-06         | Getriebe       |
|----|---------|---------|--------------|----------------------|----------------------|----------------|
| xx | P<br>mm | i       | n<br>[U/min] | M <sub>n</sub><br>Nm | M <sub>n</sub><br>Nm | M <sub>n</sub> |
| 00 | 56,9    | 3,70    | 1189         | 3,11                 | 4,23                 | 14             |
| 01 |         | 4,28    | 1028         | 3,60                 | 4,90                 |                |
| 02 |         | 5,18    | 849          | 4,35                 | 5,93                 |                |
| 03 |         | 6,75    | 652          | 5,67                 | 7,72                 |                |
| 04 | 76,5    | 13,73   | 320          | 10,81                | 14,73                | 42             |
| 05 |         | 15,88   | 277          | 12,51                | 17,03                |                |
| 06 |         | 18,36   | 240          | 14,46                | 19,69                |                |
| 08 |         | 22,20   | 198          | 17,48                | 23,81                |                |
| 09 |         | 25,01   | 176          | 19,70                | 26,82                |                |
| 10 |         | 26,85   | 164          | 21,14                | 28,80                |                |
| 11 |         | 28,93   | 152          | 22,78                | 31,03                |                |
| 12 |         | 34,97   | 126          | 27,54                | 37,51                |                |
| 13 |         | 45,56   | 97           | 35,88                | 42,00                |                |
| 15 | 96,1    | 58,85   | 75           | 43,25                | 58,91                | 84             |
| 16 |         | 68,06   | 65           | 50,02                | 68,13                |                |
| 18 |         | 78,71   | 56           | 57,85                | 78,79                |                |
| 19 |         | 92,70   | 47           | 68,13                | 84,00                |                |
| 21 |         | 99,50   | 44           | 73,13                | 84,00                |                |
| 23 |         | 115,07  | 38           | 84,00                | 84,00                |                |
| 25 |         | 129,62  | 34           | 84,00                | 84,00                |                |
| 26 |         | 139,13  | 32           | 84,00                | 84,00                |                |
| 27 |         | 149,90  | 29           | 84,00                | 84,00                |                |
| 28 |         | 168,84  | 26           | 84,00                | 84,00                |                |
| 30 |         | 195,26  | 23           | 84,00                | 84,00                |                |
| 31 |         | 236,09  | 19           | 84,00                | 84,00                |                |
| 32 | 307,54  | 14      | 84,00        | 84,00                |                      |                |
| 39 | 115,7   | 337,35  | 11,9         | 84,00                | 84,00                | 84             |
| 41 |         | 352,71  | 11,3         | 84,00                | 84,00                |                |
| 43 |         | 397,29  | 10,1         | 84,00                | 84,00                |                |
| 45 |         | 426,46  | 9,4          | 84,00                | 84,00                |                |
| 48 |         | 493,18  | 8,1          | 84,00                | 84,00                |                |
| 51 |         | 555,52  | 7,2          | 84,00                | 84,00                |                |
| 55 |         | 671,67  | 6,0          | 84,00                | 84,00                |                |
| 58 |         | 776,76  | 5,1          | 84,00                | 84,00                |                |
| 62 |         | 1011,84 | 4,0          | 84,00                | 84,00                |                |
| 65 |         | 1318,05 | 3,0          | 84,00                | 84,00                |                |
| 67 | 2075,94 | 1,9     | 84,00        | 84,00                |                      |                |