



|                 |                          |
|-----------------|--------------------------|
| No. of pole     | 8                        |
| No. of phase    | 3                        |
| Rated voltage   | 48 VDC                   |
| Rated speed     | 3000 rpm / 4300          |
| Rated torque    | 1.7 Nm                   |
| Rated power     | 530 W                    |
| Peak torque     | 5 Nm                     |
| Peak current    | 45 A                     |
| Resistance      | 0.10 Ω                   |
| Inductance      | 0.6 mH                   |
| Torque constant | 0.113 Nm/A               |
| Back EMF        | 8.4 Vrms/Krpm            |
| Rotor inertia   | 1020 g · cm <sup>2</sup> |

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| filename:                                   |     |      |              |        |         | weight:               |  |       |
|---|-----|------|--------------|--------|---------|-----------------------|--|-------|
| 12100_19_04_000_Planetengetriebe_Datenblatt |     |      |              |        |         |                       |  |       |
| index                                       | day | name | date/checked | 2023   | day:    | name:                 |  |       |
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|   |     |      | checked      |        |         |                       |  |       |
|   |     |      |              |        | scala:  | designations:         |  |       |
|   |     |      |              |        | 1:2     | planetary gear FTS100 |  |       |
|   |     |      |              |        |         | 2-stage i=48:1        |  |       |
|   |     |      |              |        | format: | drawing number:       |  |       |
|   |     |      |              |        | A3      | 12100_19_04_000       |  | index |