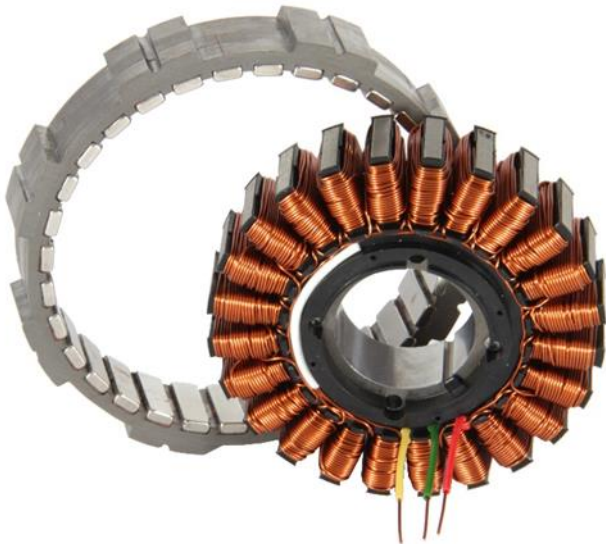


Direct Drive BLDC Outrunner



Field of application

- Direct drive of wheels, roller conveyors
- Turntables
- High torque at low speed

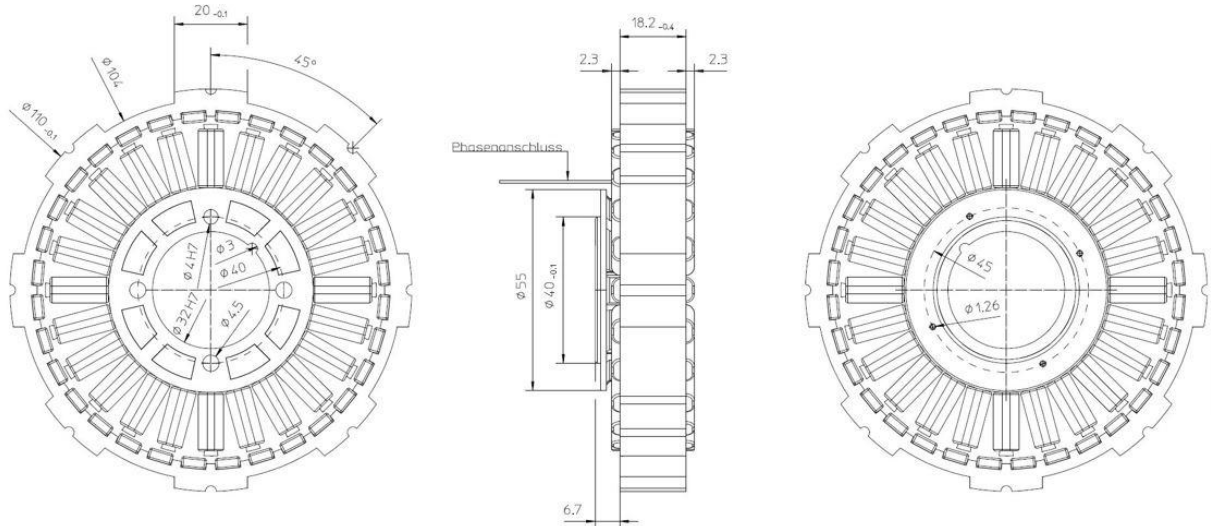
Advantages and properties

- High-pole, thus exact positioning
- Extremely compact construction
- Special solutions on request

Standard	Options
<ul style="list-style-type: none"> • Rotor and Stator as component • Bearing in the application 	<ul style="list-style-type: none"> • Bearing and housings • Wires or cables for connection • Sensors and feedback systems

Data	Unit	Direct Drive 24V-ST	Direct Drive 48V-ST
Power rated (S1)	W	40	100
Nominal voltage	V	24	48
Rated torque (S1)	Nm	2	2
Peak torque (S3)	Nm	3	6
Rated speed	min ⁻¹	180	500
Rated current	A	3	2,7
Peak current	A	7	8,5
Torque constant	Nm/A	0,61	0,74
Rotor inertia moment	kgm ² x10 ⁻³	0,718	0,718
Rotor inductance	mH	1,88	1,88
Terminal resistance	Ω	2	2
Weight (rotor + stator)	kg	0,855	0,855

Drawing



Connector assignment

Phase U	white
Phase V	black
Phase W	red

Drawings and data are for customer information only. For specific indications a separate quote is to be required.

Kern Antriebstechnik GmbH is not responsible for possible errors in the data sheets.

Subject to technical modifications.

Depending on the controller and other attachments, the values may differ.