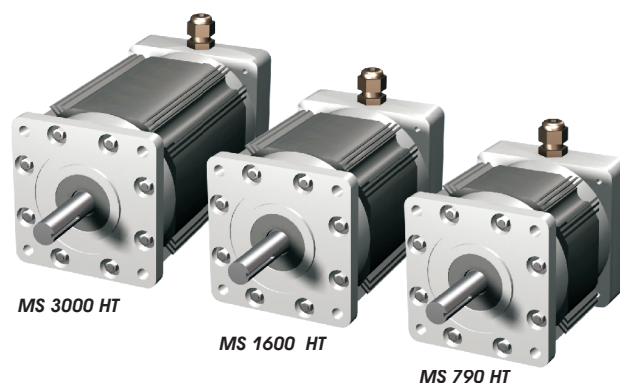


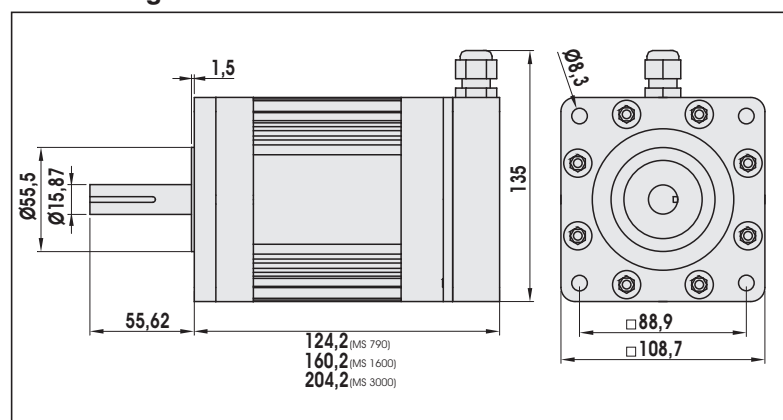
isel-High-torque-Schrittmotor MS 790 HT Art.-Nr. 470920
isel-High-torque-Schrittmotor MS 1600 HT Art.-Nr. 470950
isel-High-torque-Schrittmotor MS 3000 HT Art.-Nr. 470980

Merkmale der isel-High-torque-Schrittmotoren

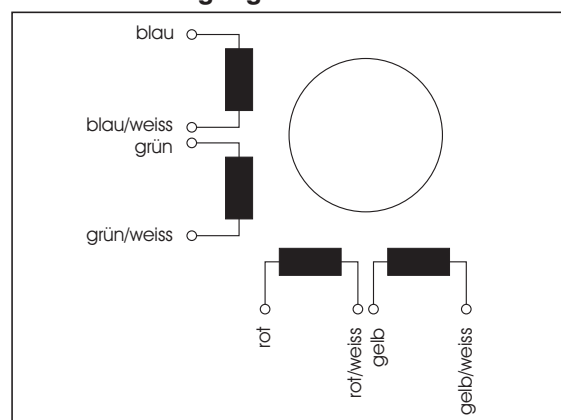
- Schrittwinkel 1.8°, erin ere Aufl sun durch Microstep-Betrieb
- Sehr hohes Drehmoment durch Selten-Erden-Ma nete
- Optimiert f r den Einsatz in Positioniersteuerun en
- Optimales Verh ltnis von Drehmoment und Bau r ße
- Kleiner Schrittwinkelfehler, nicht kumulativ
- 2. Wellenende zum optionalen Anbau von HP-Encoder



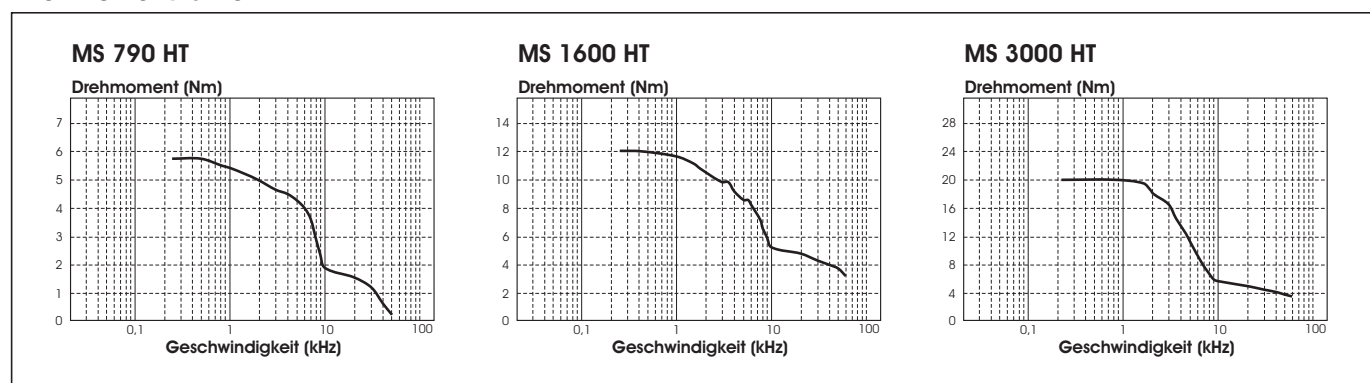
Abmessungen



Anschlussbelegung



Drehmomentkurven



Technische Daten

Bezeichnung	Artikel-Nr. mit 1 Wellen- ende	Artikel-Nr. mit 2 Wellen- enden	Haltemoment Unipolar / Bipolar Nm	Wicklungs- strom je Phase A	Spulen- spannung je Phase V	Wicklungs- widerstand je Phase W	Wicklungs- induktivität je Phase mH	Rotor- trägheit kgcm ²	Schritt- winkel / Winkel- fehler ° / %	Anschluss- leitungen	Gewicht kg
MS 790 HT	470920	--	5,6 / 7,9	10 / 14,1	1,5	0,15	0,86	6,1	1,8 / 5	8	5,9
MS 1600 HT	470950	--	11,3 / 16	10 / 14,1	2,3	0,23	1,66	10,7	1,8 / 5	8	7,2
MS 3000 HT	470980	--	21,2 / 30	10 / 14,1	4,5	0,45	5,4	16,2	1,8 / 5	8	10,4

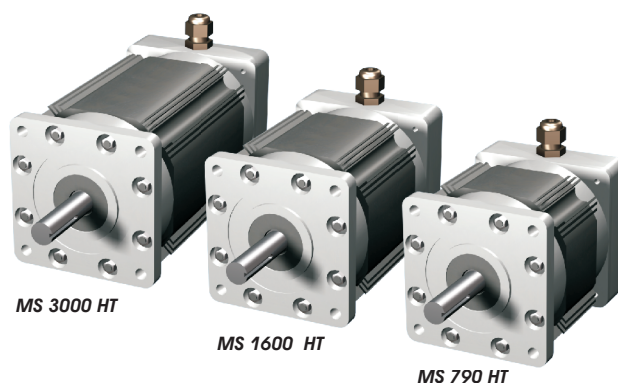
maximal zulässige Radiallast:
 ISO-Klasse: B (130°)
 Schutzklasse: IP 40
 Umgebungstemperatur: -10 °C...+50 °C
 Isolationswiderstand: 100 M / 500 V DC

isel High-Torque Stepper Motor MS 790 HT
isel High-Torque Stepper Motor MS 1600 HT
isel High-Torque Stepper Motor MS 3000 HT

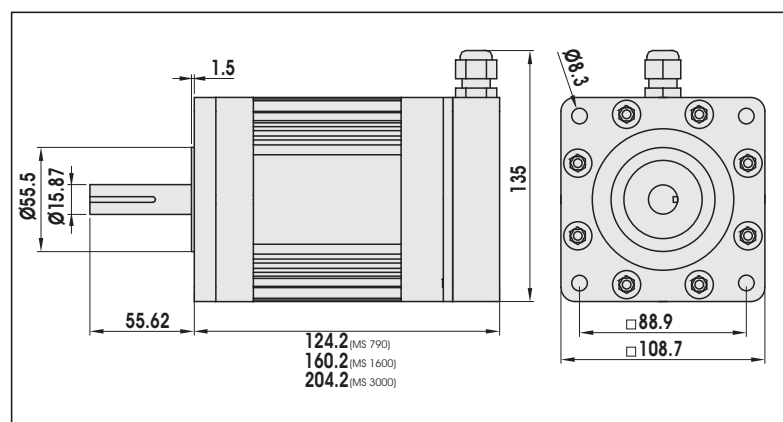
Art. No. 470920
 Art. No. 470950
 Art. No. 470980

Features of the isel high-torque stepper motors

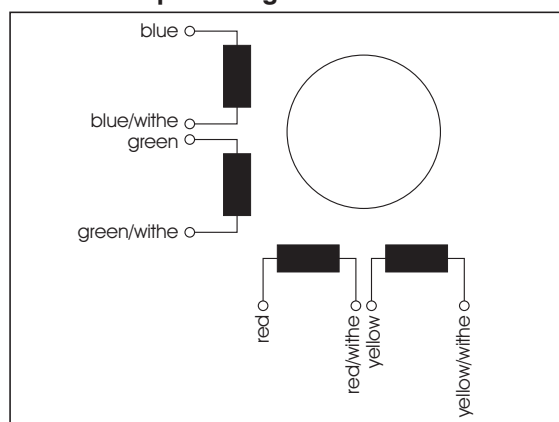
- Step angle 1.8°, low resolution thanks to Microstep operation
- Very high torque thanks to rare-earth magnets
- Optimised for use in positioning controls
- Optimum ratio of torque and size
- Small step angle error, non-cumulative
- 2nd shaft end for optional attachment of HP encoders



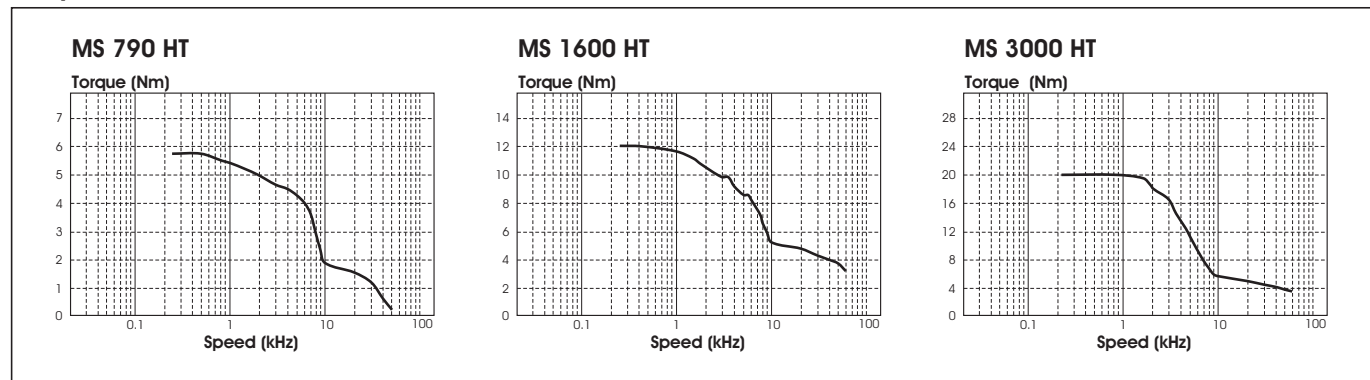
Dimensions



Connector pin assignment



Torque characteristics



Technical data

Designation	Article no. with 1 shaft end	Article no. with 2 shaft ends	Holding torque unipolar / bipolar Nm	Winding current per phase A	Coil voltage per phase V	Winding resistance per phase Ω	Winding inductivity per phase mH	Rotor inertia kgcm ²	Step angle / angle error ° / %	Connection cables	Weight kg
MS 790 HT	470920	--	5.6 / 7.9	10 / 14.1	1.5	0.15	0.86	6.1	1.8 / 5	8	5.9
MS 1600 HT	470950	--	11.3 / 16	10 / 14.1	2.3	0.23	1.66	10.7	1.8 / 5	8	7.2
MS 3000 HT	470980	--	21.2 / 30	10 / 14.1	4.5	0.45	5.4	16.2	1.8 / 5	8	10.4

Max. permissible radial load:
ISO class: B (130°)
Class of protection: IP 40
Ambient temperature: -10 °C...+50 °C
Insulation resistance: 100 MΩ / 500 V DC

Deutsch
 English