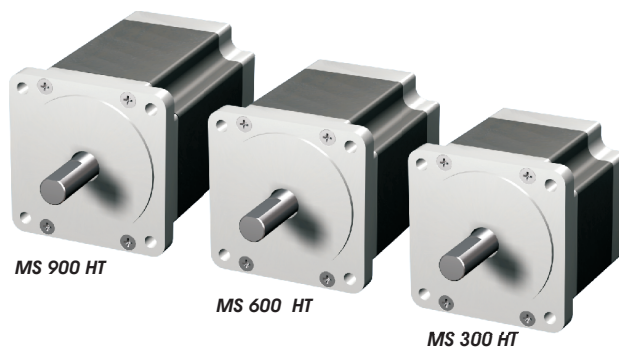


isel-High-torque-Schrittmotor MS 300 HT
isel-High-torque-Schrittmotor MS 600 HT
isel-High-torque-Schrittmotor MS 900 HT

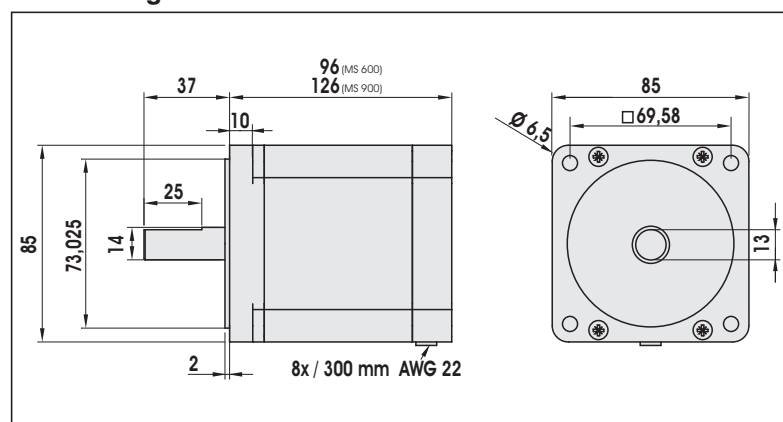
Art.-Nr. 470820
 Art.-Nr. 470850
 Art.-Nr. 470880

Merkmale der isel-High-torque-Schrittmotoren

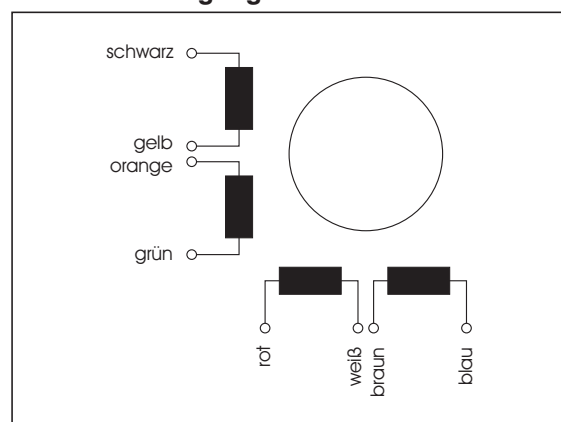
- Schrittwinkel 1.8°, erin ere Aufl sun durch Microstep-Betrieb
- Sehr hohes Drehmoment durch Selten-Erden-Ma nete
- Optimiert f r den Einsatz in Positioniersteuerun en
- Optimales Verh ltnis von Drehmoment und Bau r ße
- Kleiner Schrittwinkelfehler, nicht kumulativ
- 2. Wellenende zum optionalen Anbau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



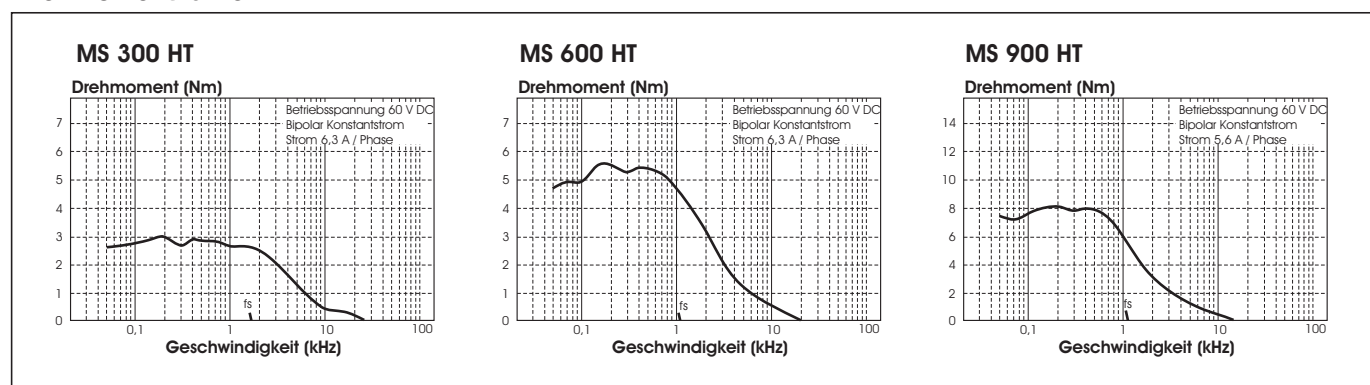
Abmessungen



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- trägeit kgcm ²	Schritt- winkel / Winkel- fehler ° / %	Anschluss- leitungen	Gewicht kg
MS 300 HT	470820	--	2,15 / 3,0	4,5 / 6,4	2,0	0,48	1,5	1,4	1,8 / 5	8	1,7
MS 600 HT	470850	--	4,31 / 6,0	4,5 / 6,4	2,8	0,66	2,5	2,7	1,8 / 5	8	2,8
MS 900 HT	470880	--	6,47 / 9,0	4,0 / 5,7	3,8	0,97	4,2	4,0	1,8 / 5	8	3,8

maximal zulässige Radiallast: 3,0 kg (10 mm)
 ISO-Klasse: B (130°)
 Schutzklasse: IP 40
 Umgebungstemperatur: -10 °C...+50 °C
 Isolationswiderstand: 100 M / 500 V DC

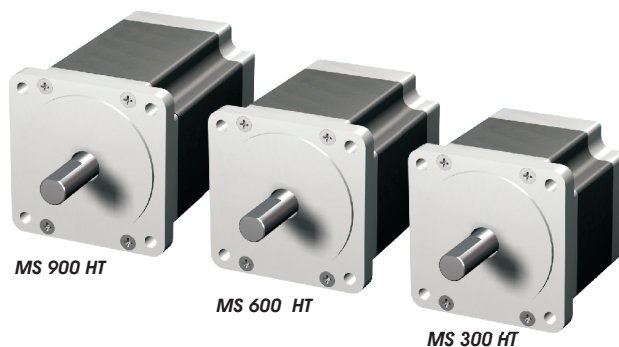
isel High-Torque Stepper Motor MS 300 HT
isel High-Torque Stepper Motor MS 600 HT
isel High-Torque Stepper Motor MS 900 HT

Art. No. 470820
 Art. No. 470850
 Art. No. 470880

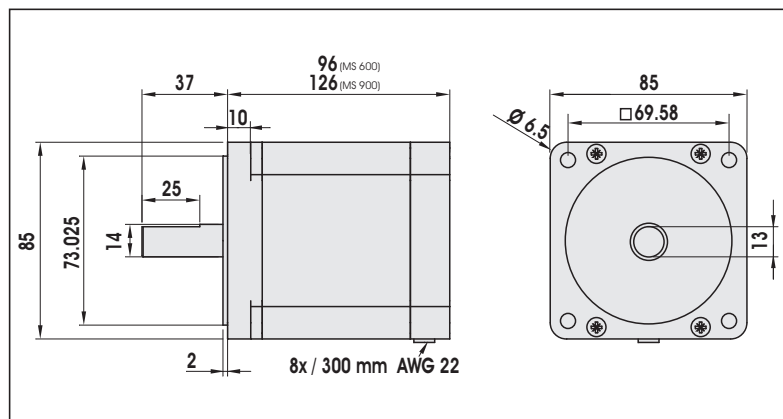
iselautomation
 From Components to Systems.

Features of the isel high-torque stepper motors

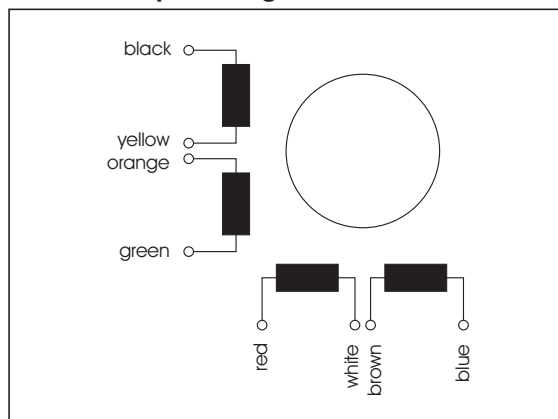
- Step angle 1.8°, low resolution thanks to Microstep operation
- Very high torque thanks to rare-earth magnets
- Optimised for use in positioning controls
- Optimum ratio of torque and size
- Small step angle error, non-cumulative
- 2nd shaft end for optional attachment of HP encoders



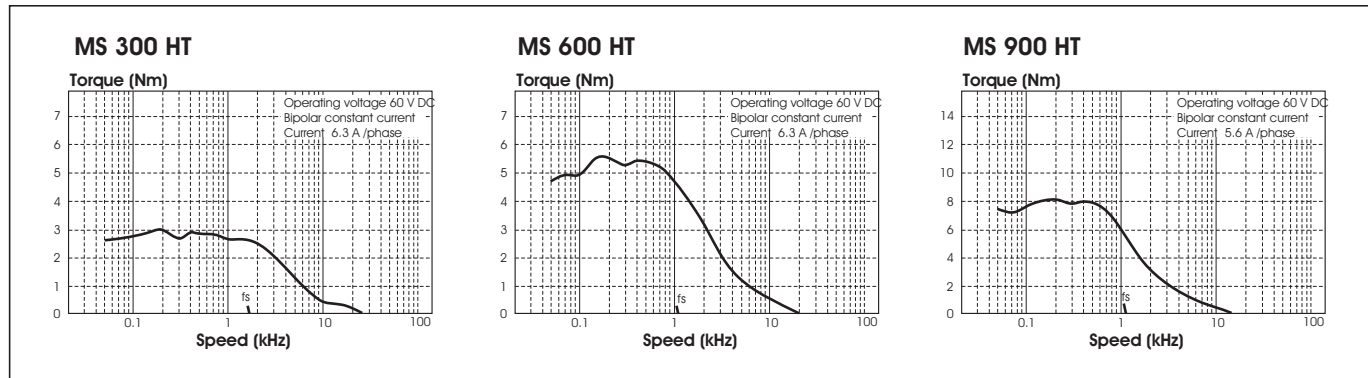
Dimensions



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 300 HT	470820	--	2.15 / 3.0	4.5 / 6.4	2.0	0.48	1.5	1.4	1.8 / 5	8	1.7
MS 600 HT	470850	--	4.31 / 6.0	4.5 / 6.4	2.8	0.66	2.5	2.7	1.8 / 5	8	2.8
MS 900 HT	470880	--	6.47 / 9.0	4.0 / 5.7	3.8	0.97	4.2	4.0	1.8 / 5	8	3.8

Max. permissible radial load: 3.0 kg (10 mm)
ISO class: B (130°)
Class of protection: IP 40
Ambient temperature: -10 °C...+50 °C
Insulation resistance: 100 MΩ / 500 V DC

Deutsch

English