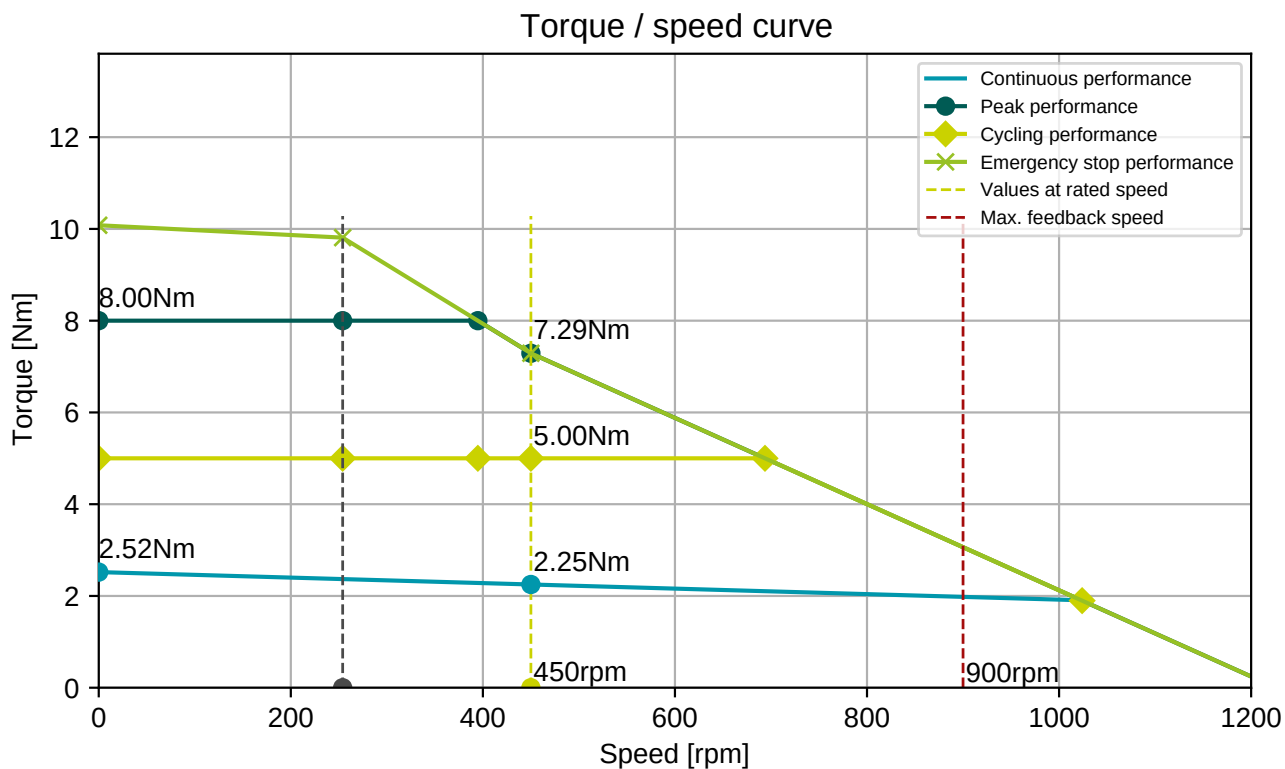


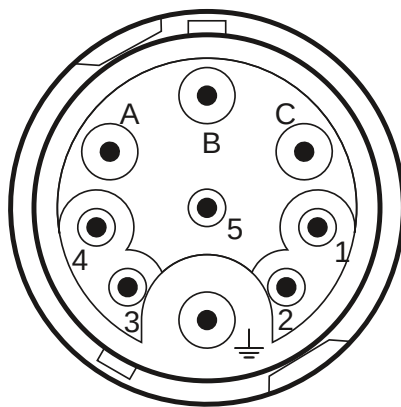
Engineering motordata (WIN 757)		Mechanical motor data (setting 48)							
DC bus voltage	320 V DC	Max mechanical speed	12000 rpm						
Nominal AC voltage	220 V AC (rms)	Mech. time constant	2.78 ms						
Rated voltage	114 V AC (rms)	Thermal time constant	10 min						
Rated power	118 W	Rotor inertia	0.05 kgcm²						
Rated speed	4500 rpm	Protection	IP64						
Rated torque	0.25 Nm	Color	RAL 9005						
Rated current	0.96 A (rms)	Cooling	Convection						
Peak torque	1.12 Nm	Motor-only mass	0.9 kg						
Peak current	4.4 A (rms)	Max. axial force 20kh	36 N						
Stall torque	0.28 Nm	Max. radial force 20kh	189 N*						
Stall current	0.97 A (rms)	Max. axial force 100kh	21 N						
No load speed	12260 rpm	Max. radial force 100kh	110 N*						
EMF constant ±10%	17.5 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length							
Theoretical torque constant ±10%	0.29 Nm / A (rms)								
Torque constant ±10% @ rated load	0.26 Nm / A (rms)	<table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>EKM36 (HDSL) multi-turn, 17 + 12 bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits								
Number of poles	6								
Electrical time constant	1.00 ms								
Winding terminal resistance	26.9 Ω								
Rotary field terminal inductance	26.8 mH								

Customs info	
HS Code	85015100

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	10	Radial force for 20'000h	200 N*
Efficiency	90 %*	Max. radial force	200 N*
Torsional stiffness	0.75 Nm/arcmin	Axial force for 20'000h	200 N
Number of stages	1	Max. axial force	240 N
Rated output torque	4 Nm	Output shaft design	Shaft key
Cycling output torque	5 Nm	Mass	0.57 kg
Max output torque	8 Nm	Input inertia	0.04 kgcm ²
Emergency output torque	25 Nm	Protection	IP54
Rated input speed	5000 rpm	* Defined for point of action at ½ output shaft length	
Max input speed	18000 rpm	Actuator data	
Operating temperature	<-25; 90> °C	Rated speed	450 rpm
Max. backlash	< 21 arcmin	Rated torque	2.25 Nm
Service life	20000 h	Cycling torque	5.00 Nm
* at rated speed & torque		Peak torque	8.00 Nm
Lubrication		Emergency stop torque	11.20 Nm
Type	Standard	EMF constant ±10%	175.0 V AC (rms) / 1000rpm
Lubricant	Grease (lifetime lubrication)	Torque constant ±10% @ rated load	2.34 Nm / A (rms)
		Total mass	1.47 kg
		Output inertia	9.0 kgcm ²


EGA201N00000800000

M15, 9 poles, rotary


Connector 1 (304)

A	U
B	V
C	W
PE	PE
1	Brake+
2	Brake-
3	+Us/DSL+
4	GND/DSL-

