



Engineering motordata (WIN 1435)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	115 V AC (rms)
Rated power	113 W
Rated speed	4500 rpm
Rated torque	0.24 Nm
Rated current	0.93 A (rms)
Peak torque	1 Nm
Peak current	4 A (rms)
Stall torque	0.26 Nm
Stall current	0.9 A (rms)
No load speed	21190 rpm
EMF constant ±10%	17.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.289 Nm / A (rms)
Torque constant ±10% @ rated load	0.258 Nm / A (rms)
Number of poles	6
Electrical time constant	1.05 ms
Winding terminal resistance	27.092 Ω
Rotary field terminal inductance	28.4 mH

Customs info

HS Code	85015100
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Mechanical motor data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	2.80 ms
Thermal time constant	12 min
Rotor inertia	0.05 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	0.9 kg

Sensors

Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits



Gearbox engineering data

Gear ratio	63
Efficiency	95 %*
Torsional stiffness	2.5 Nm/arcmin
Rated output torque	18 Nm
Max output torque	36 Nm
Emergency output torque	90 Nm
Rated input speed	2000 rpm
Max input speed	5000 rpm
Operating temperature	<-25; 50> °C
Max. backlash	< 1.5 arcmin
Service life	6000 h

* at rated speed & torque

Lubrication

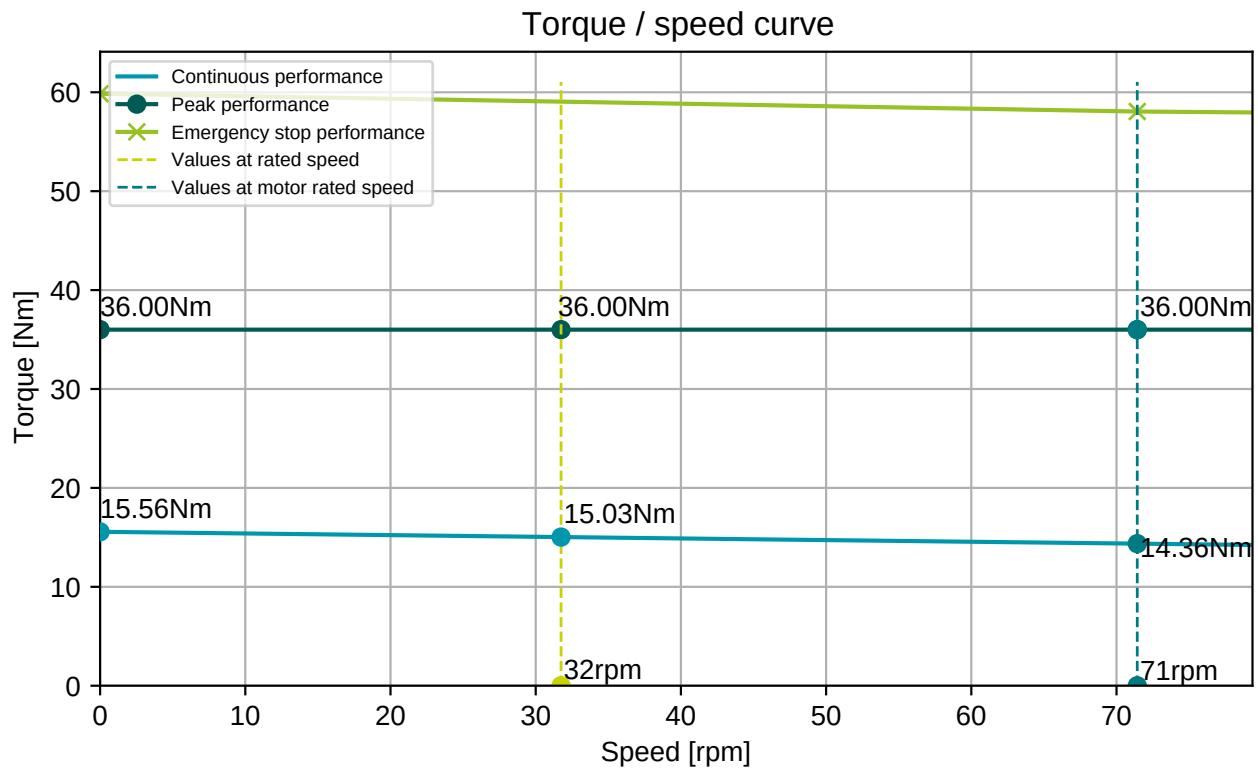
Type	Standard
Lubricant	TRIBOL GR TT 1 PD

Gearbox mechanical data

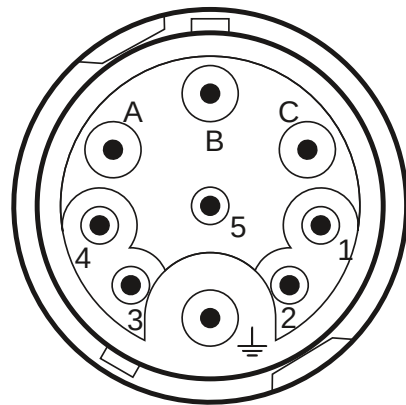
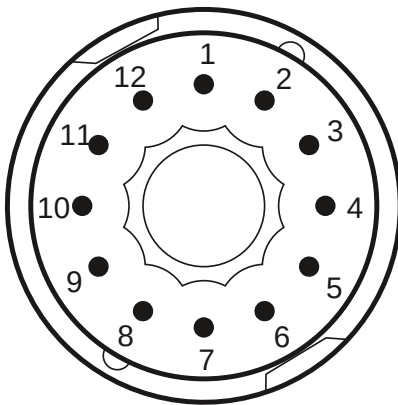
Max. radial force	1440 N
Max. axial force	1900 N
Output shaft design	Flange
Mass	0.47 kg
Input inertia	0.007 kgcm ²
Protection	IP64

Actuator data

Rated speed	32 rpm
Rated torque	15.03 Nm
Peak torque	36.00 Nm
Emergency stop torque	63.00 Nm
EMF constant ±10%	1102.5 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	15.45 Nm / A (rms)
Total mass	1.37 kg
Output inertia	226.2 kgcm ²



EGA101N00000001000
2x M15, 9 and 12 poles rotary



Connector 1 (343)

1	Vcc
2	DATA
3	DATA-
4	CLOCK
5	CLOCK-
6	GNDbatt (Optional for EBI)
7	GND
12	Vbatt (Optional for EBI)

Connector 2 (204)

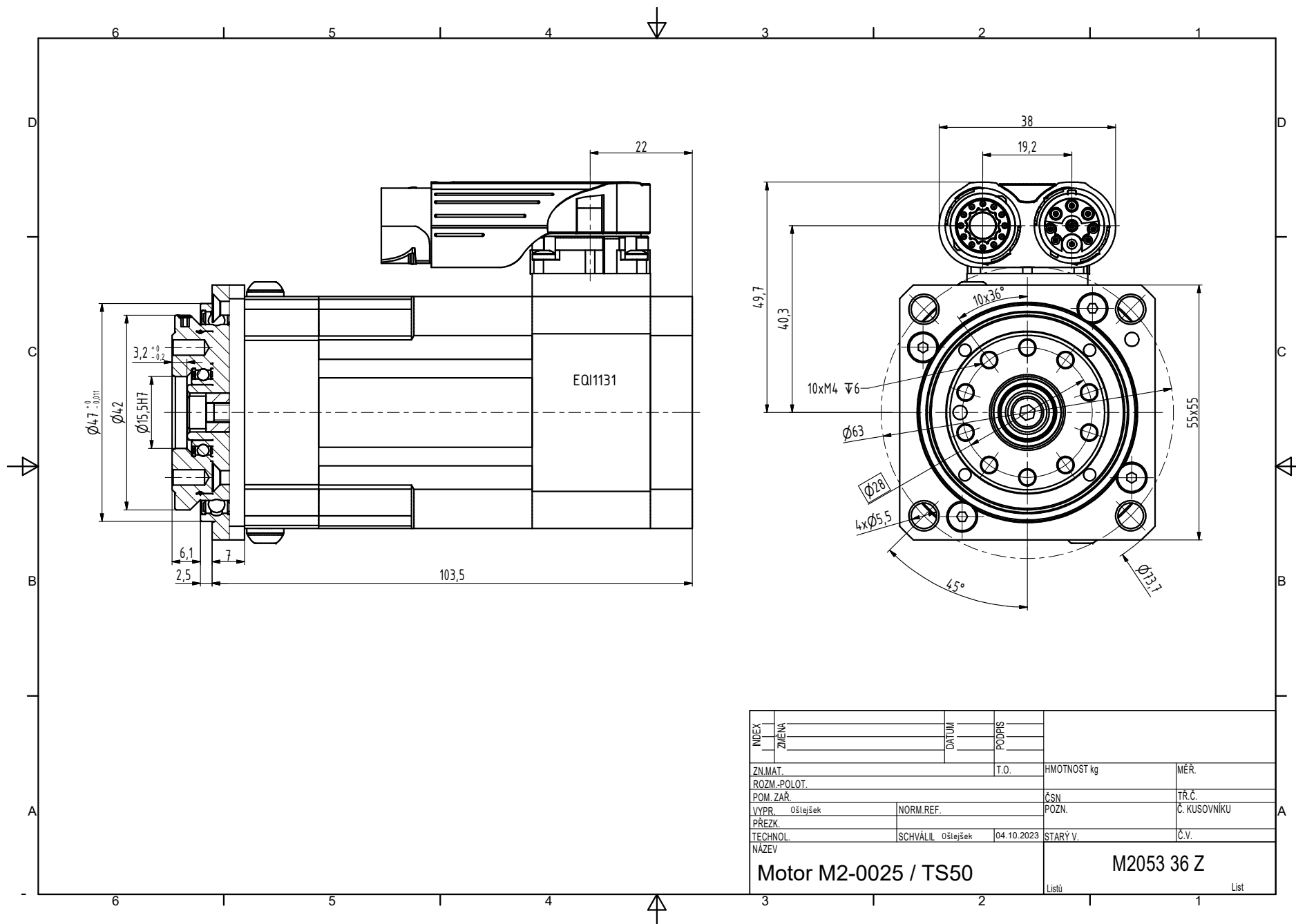
A	U
B	V
C	W
PE	PE
1	Therm+
2	Therm-
3	Brake+
4	Brake-



Actuator type
D050-63-45-560/T5Y-H15

Article no.
PM-7777

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INDEX	ZNAČKA	DATUM	PODPIS		
ZN.MAT.		T.O.		HMOTNOST kg	MĚR.
ROZM.-POLOT.				ČSN	TR.Č.
VYPR.	Ošlejšek	NORM.REF.		POZN.	Č. KUSOVNIKU
PŘEZK.					
TECHNOL.	SCHVÁLIL Ošlejšek	04.10.2023	STARÝ V.	Č.V.	
NÁZEV				M2053 36 Z	
Motor M2-0025 / TS50				Listů	List