Engineering data (WIN 858)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	276	V AC (rms)
Rated power	471	W
Rated speed	6000	rpm
Rated torque	0.75	Nm
Rated current	1.21	A (rms)
Peak torque	3.8	Nm
Peak current	6.7	A (rms)
Stall torque	0.95	Nm
Stall current	1.45	A (rms)
No load speed	9580	rpm
EMF constant ±10%	39.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.65	Nm / A (rms)
Torque constant ±10% @ rated load	0.62	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.44	ms
Winding terminal resistance	20.93	Ω
Rotary field terminal inductance	30.2	mH

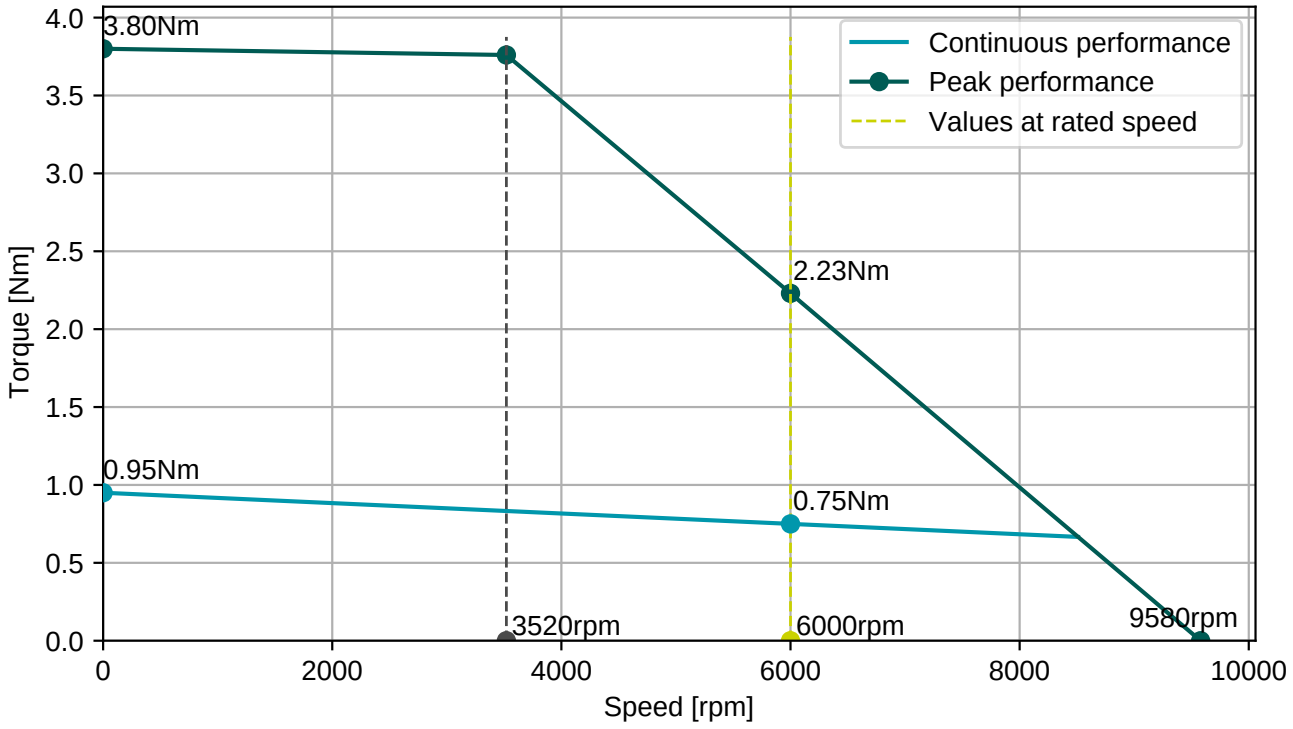
Customs info	
HS Code	85015100

Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	0.93	ms
Thermal time constant	18	min
Rotor inertia	0.11	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	1.27	kg
Max. axial force 20kh	38	N
Max. radial force 20kh*	201	N
Max. axial force 100kh	22	N
Max. radial force 100kh*	118	N

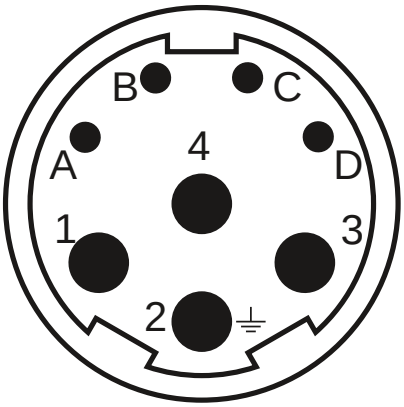
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	ECI1118 (EnDat 2.1), single-turn, 16 imp. ot. 1 Vpp, 18 bits

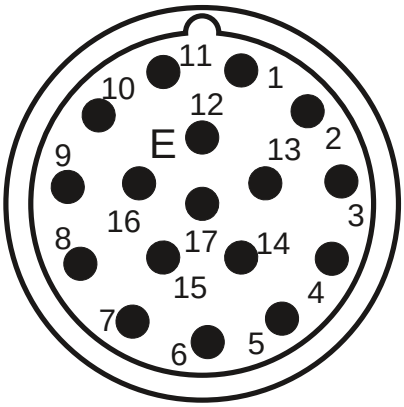
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

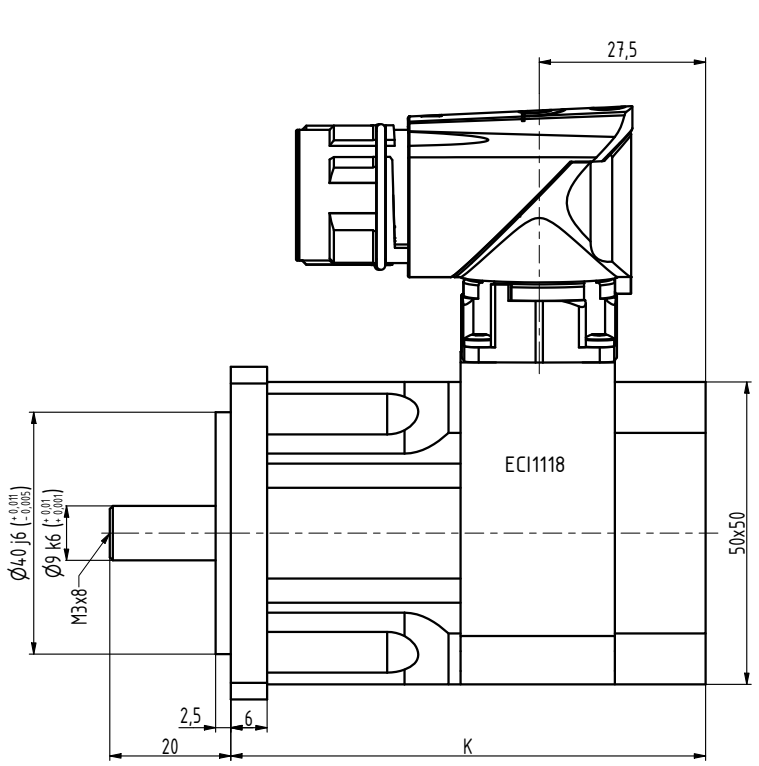


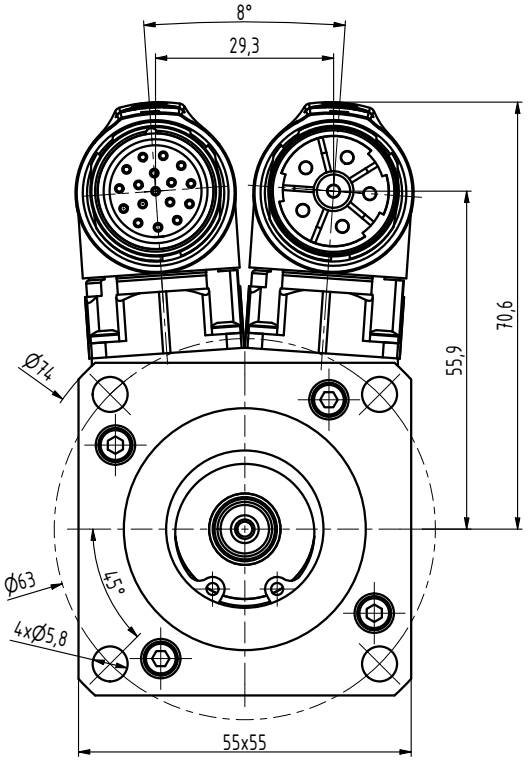
AGC113N00001215000
M23, 17 poles, rotary



Connector 1 (1)	
1	U
4	V
3	W
2	PE
A	Therm+
B	Therm-
C	Brake+
D	Brake-

Connector 2 (150)	
1	Vcc sensor
4	GND sensor
7	Vcc (+5V)
8	CLOCK
9	CLOCK-
10	GND
12	B+
13	B-
14	DATA
15	A+
16	A-
17	DATA-





TYP	K
N2-0028	78,5
N2-0054	93,5
N2-0075	108,5
N2-0095	123,5
N2-0112	138,5

INDEX	ZMĚNA	DATUM	PODPIS

ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.				
POM. ZAŘ.			ČSN	TŘ.Č.
VYPR. Ošlejšek	NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.				
TECHNOL.	SCHVÁLIL Ošlejšek	28.02.2023	STARÝ V.	Č.V.

NÁZEV

Motor N2

N2100 01 Z_S4_S1

Listů List