Engineering data (WIN 1497)		
DC bus voltage	24	V DC
Nominal AC voltage	17	V AC (rms)
Rated voltage	16	V AC (rms)
Rated power	138	W
Rated speed	12000	rpm
Rated torque	0.11	Nm
Rated current	7.96	A (rms)
Peak torque	1.12	Nm
Peak current	66.6	A (rms)
Stall torque	0.28	Nm
Stall current	14.5	A (rms)
No load speed	14170	rpm
EMF constant ±10%	1.17	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.019	Nm / A (rms)
Torque constant ±10% @ rated load	0.014	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.09	ms
Winding terminal resistance	0.119	Ω
Rotary field terminal inductance	0.13	mH

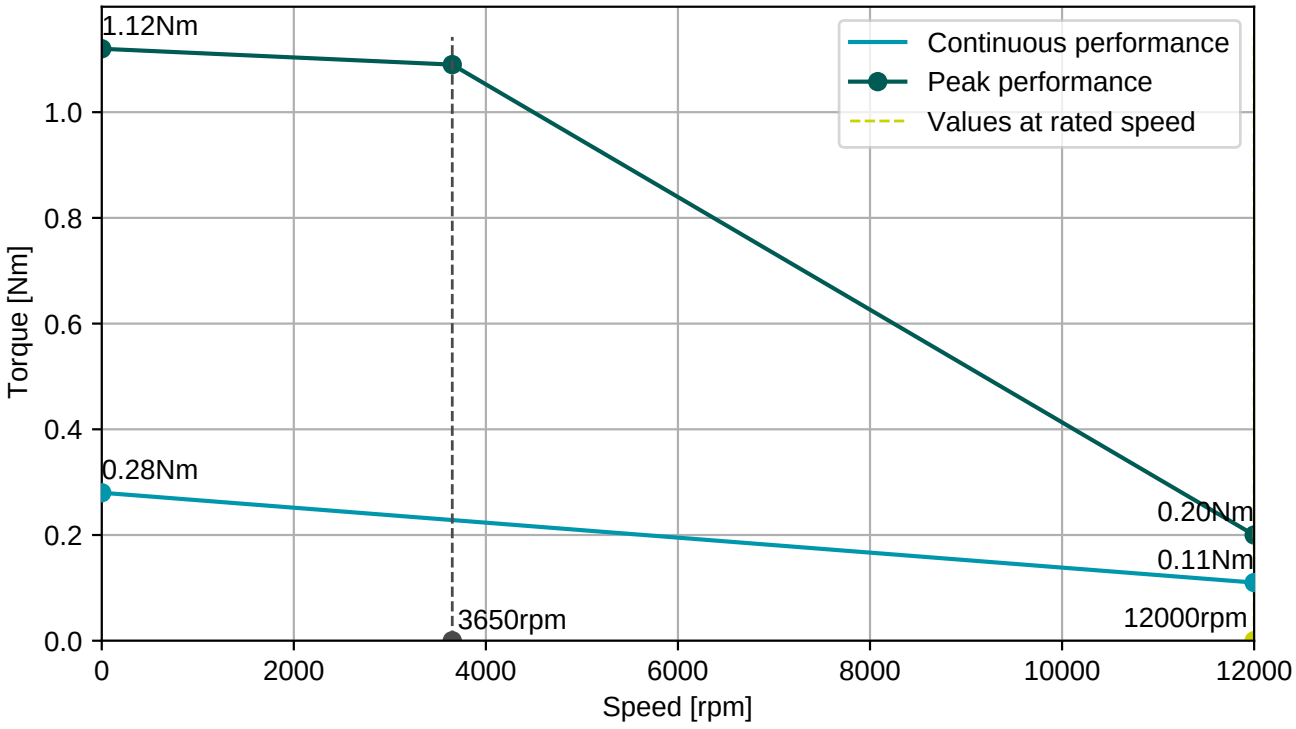
Customs info	
HS Code	85015100

Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	2.75	ms
Thermal time constant	10	min
Rotor inertia	0.05	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	26	N
Max. radial force 20kh*	136	N
Max. axial force 100kh	15	N
Max. radial force 100kh*	80	N

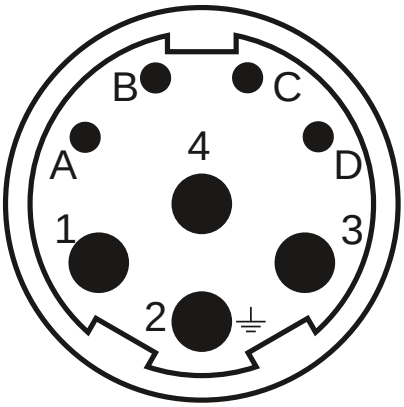
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

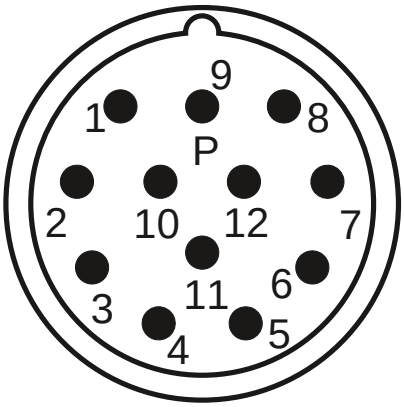
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

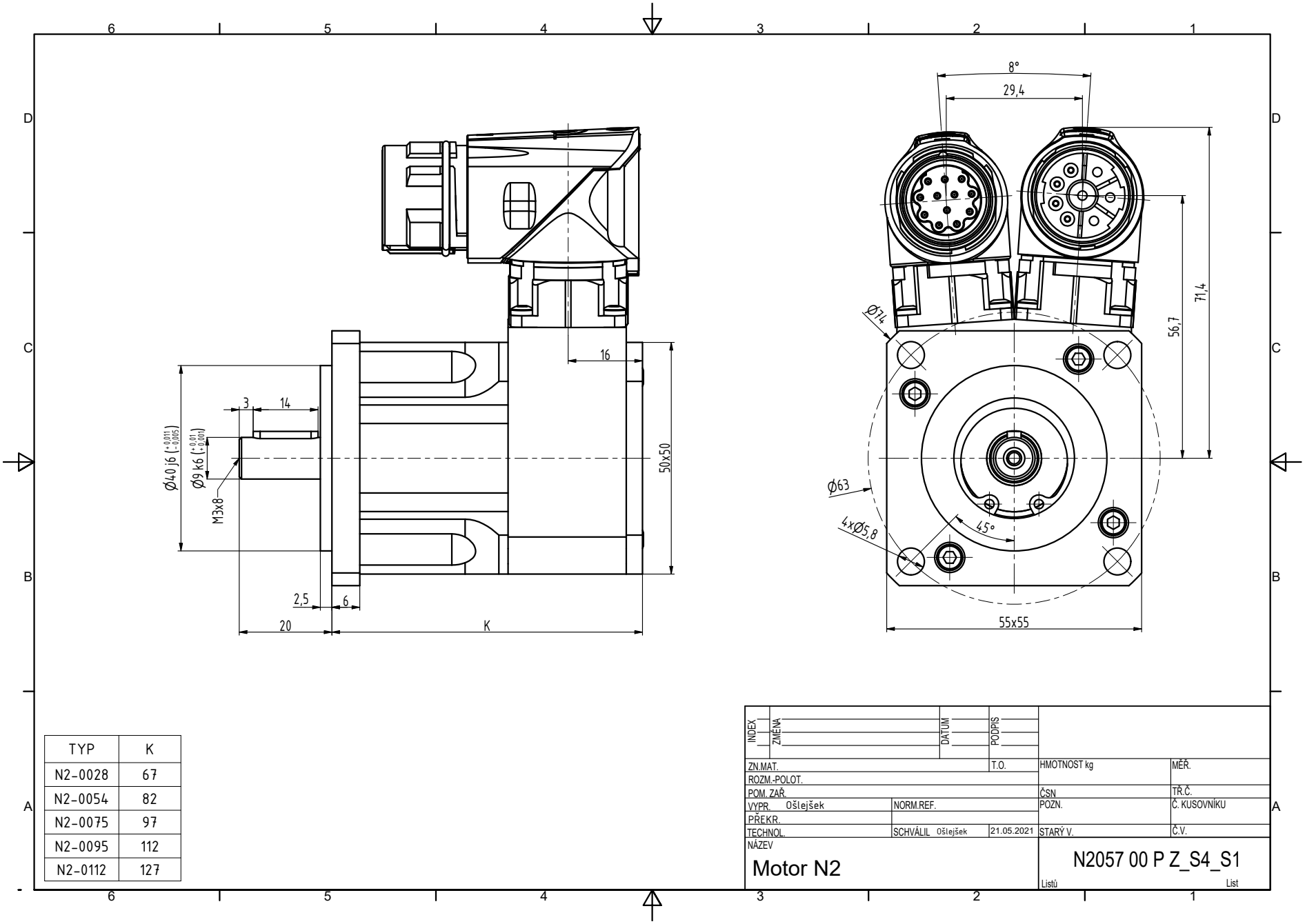


AGC052N00001215000
M23, 12 poles, rotary



Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (10)	
2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1



TYP	K
N2-0028	67
N2-0054	82
N2-0075	97
N2-0095	112
N2-0112	127

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	21.05.2021		STARÝ V.	Č.V.

NÁZEV
Motor N2

N2057 00 P Z_S4_S1

Listů List