Engineering data (WIN 799)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	255	V AC (rms)
Rated power	3.0	kW
Rated speed	6000	rpm
Rated torque	4.80	Nm
Rated current	8.76	A (rms)
Peak torque	22.5	Nm
Peak current	42.7	A (rms)
Stall torque	7.5	Nm
Stall current	10	A (rms)
No load speed	8330	rpm
EMF constant ±10%	45.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.75	Nm / A (rms)
Torque constant ±10% @ rated load	0.55	Nm / A (rms)
Number of poles	10	
Electrical time constant	5.81	ms
Winding terminal resistance	0.63	Ω
Rotary field terminal inductance	3.66	mH

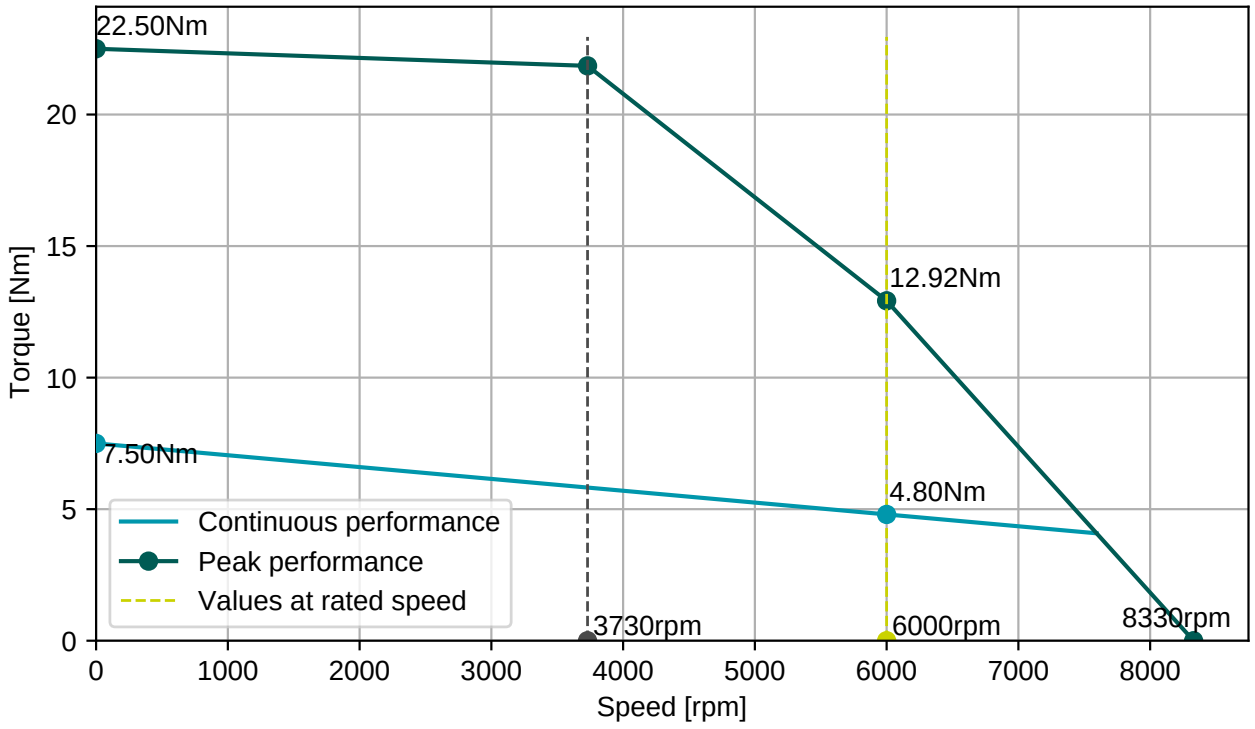
Customs info	
HS Code	85015220

Mechanical data (setting 5)		
Max mechanical speed	9000	rpm
Mech. time constant	0.63	ms
Thermal time constant	30	min
Rotor inertia	3.26	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	4.5	kg
Max. axial force 20kh	99	N
Max. radial force 20kh*	519	N
Max. axial force 100kh	58	N
Max. radial force 100kh*	303	N

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

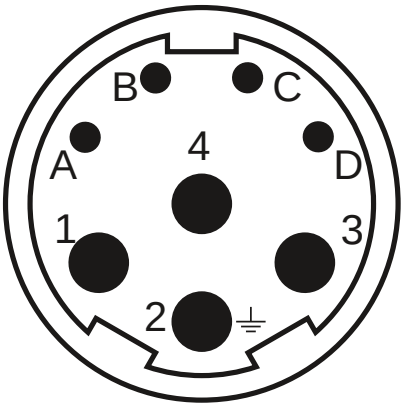
Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Torque / speed curve



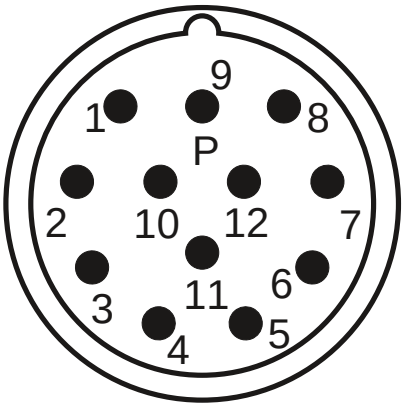
BGC110N00001216000

M23, 8 poles, rotary



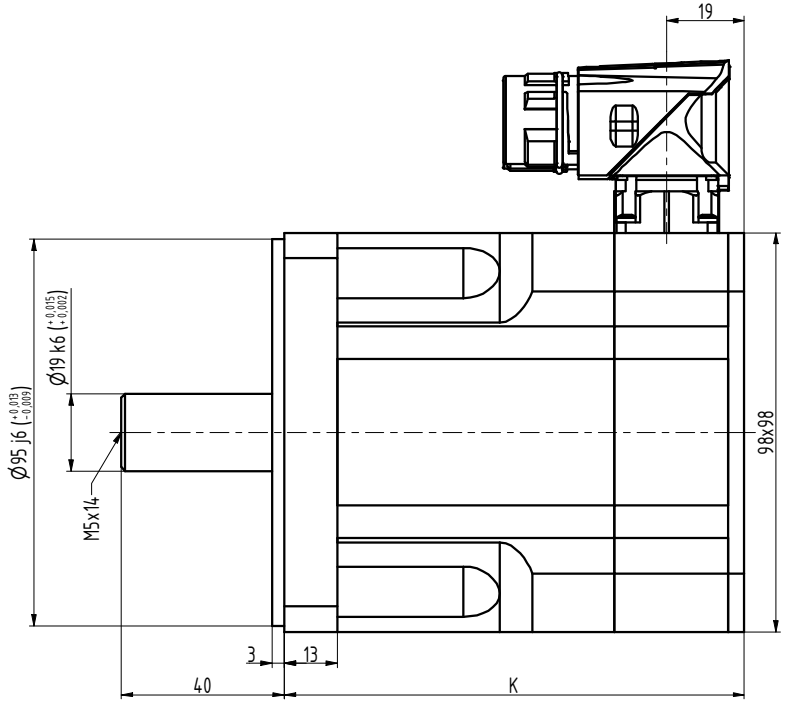
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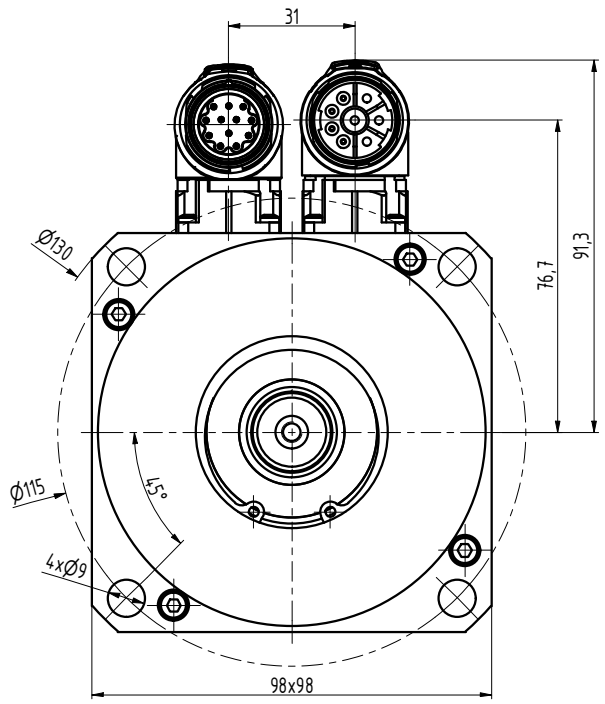
M23, 12 poles, rotary



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
N4-0340	98
N4-0510	113
N4-0750	143
N4-0960	173
N4-1130	203

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. Ošlejšek 11.07.2021					
TECHNOL.	SCHVÁLIL Ošlejšek	28.01.2021		STARÝ V.	Č.V.

NÁZEV

Motor N4

N4083 00 Z_S4_S1

Listů List