Engineering data (WIN 820)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	194	V AC (rms)
Rated power	471	W
Rated speed	6000	rpm
Rated torque	0.75	Nm
Rated current	1.7	A (rms)
Peak torque	3.8	Nm
Peak current	9.4	A (rms)
Stall torque	0.95	Nm
Stall current	2.05	A (rms)
No load speed	7820	rpm
EMF constant ±10%	28	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.46	Nm / A (rms)
Torque constant ±10% @ rated load	0.44	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.45	ms
Winding terminal resistance	10.53	Ω
Rotary field terminal inductance	15.3	mH

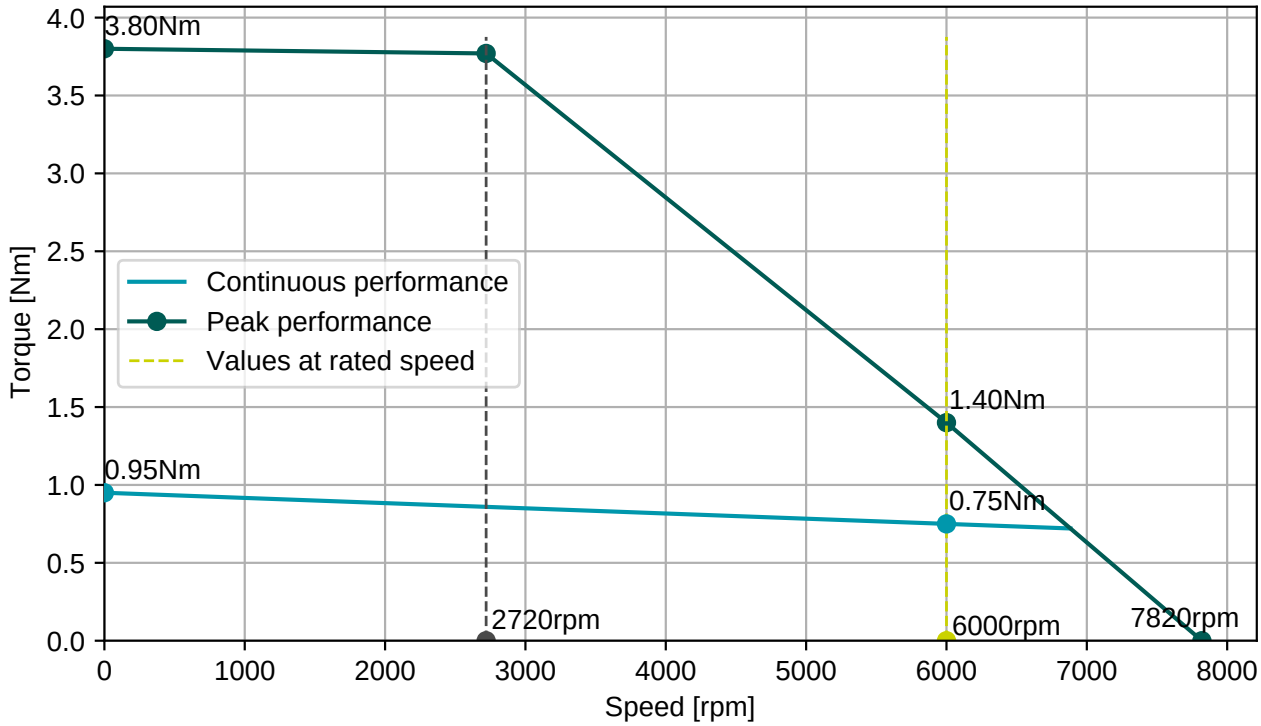
Customs info	
HS Code	85015100

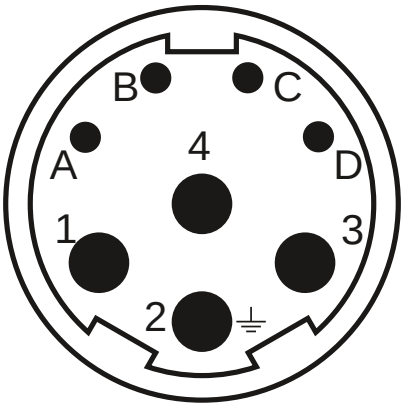
Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	0.94	ms
Thermal time constant	18	min
Rotor inertia	0.11	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	1.7	kg
Max. axial force 20kh	38	N
Max. radial force 20kh*	201	N
Max. axial force 100kh	22	N
Max. radial force 100kh*	118	N

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

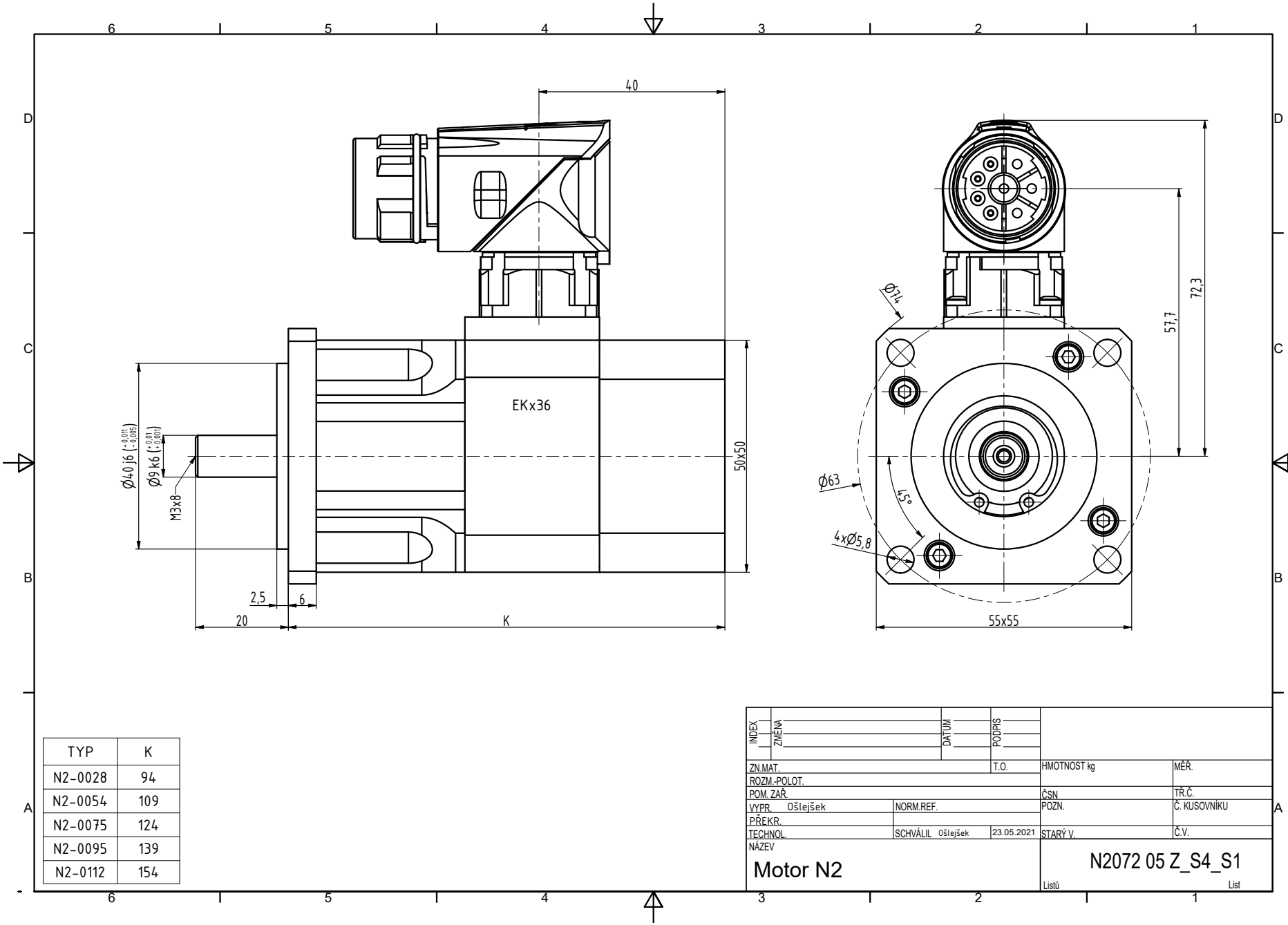
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2

Torque / speed curve





Connector 1 (283)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+



TYP	K
N2-0028	94
N2-0054	109
N2-0075	124
N2-0095	139
N2-0112	154

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	23.05.2021	STARÝ V.	Č.V.

NÁZEV
Motor N2

N2072 05 Z_S4_S1

Listů List