Engineering data (WIN -100089)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	26	V AC (rms)
Rated power	98	W
Rated speed	1000	rpm
Rated torque	0.94	Nm
Rated current	4.36	A (rms)
Peak torque	2.52	Nm
Peak current	11.44	A (rms)
Stall torque	0.95	Nm
Stall current	4.25	A (rms)
No load speed	2410	rpm
EMF constant ±10%	13.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.22	Nm / A (rms)
Torque constant ±10% @ rated load	0.22	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.44	ms
Winding terminal resistance	2.38	Ω
Rotary field terminal inductance	3.42	mH

Customs info	
HS Code	85015100

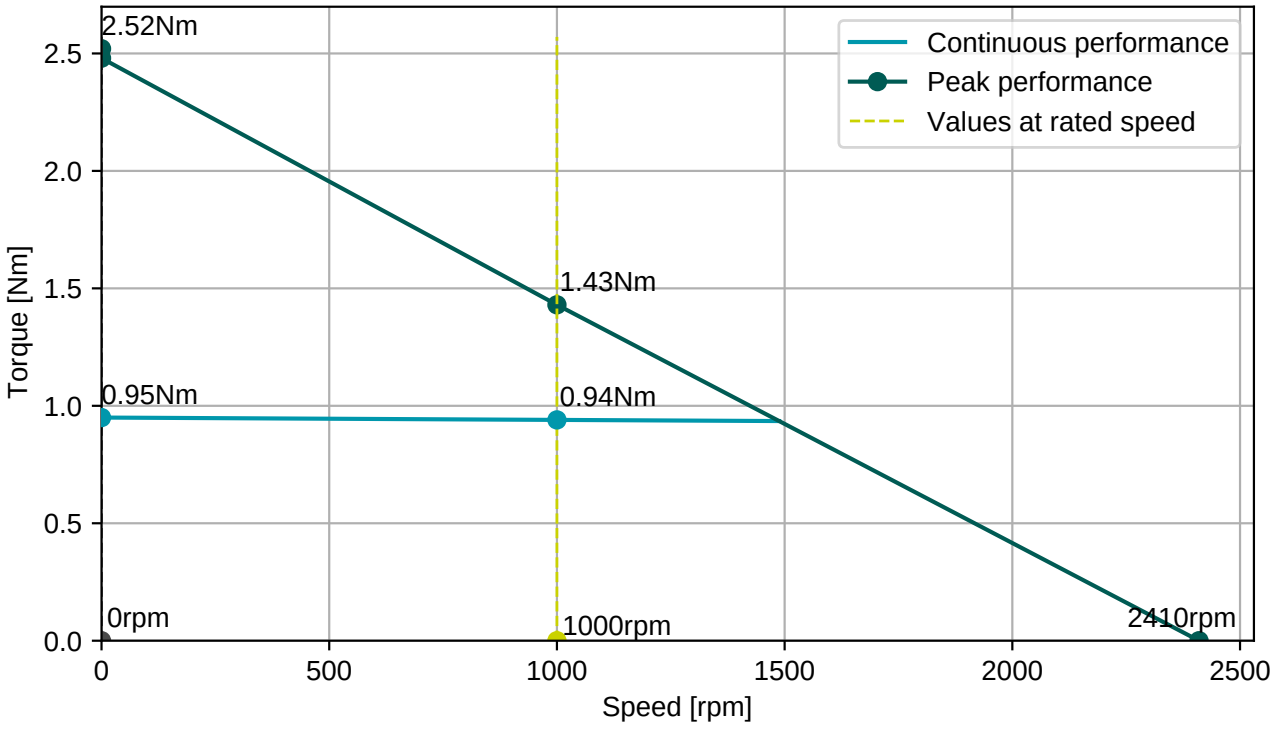
Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	0.91	ms
Thermal time constant	18	min
Rotor inertia	0.11	kgcm²
Protection	IP65	
Color	EPOX3 (RAL 9005)	
Cooling	Convection	
Motor-only mass	1.3	kg
Max. axial force 20kh	45	N
Max. radial force 20kh*	234	N
Max. axial force 100kh	26	N
Max. radial force 100kh*	137	N

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

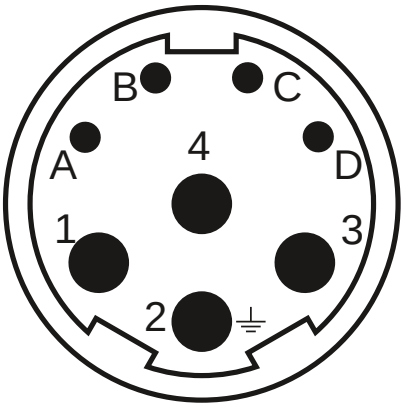
Sensors	
Temperature	PT1000 {PT1000}
Feedback	ELM35 (24+12 bits, BISS-C, multi-turn)

Brake		
Braking torque	2.00	Nm
Voltage	24	V DC
Power @20°C	11.0	W
Current @20°C	0.46	A
Inertia	0.08	kgcm²
Mass	0.20	kg

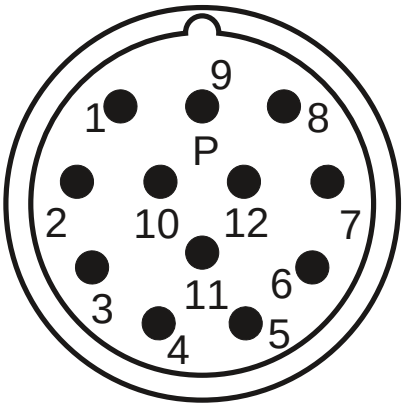
Torque / speed curve



BFC110N00000207000
M23, 8 poles, rectangular

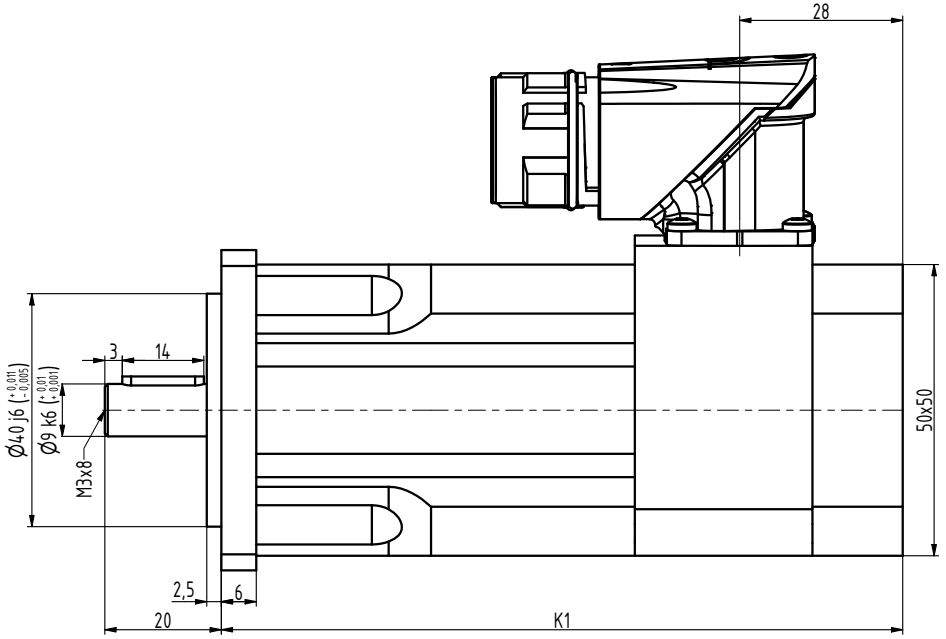


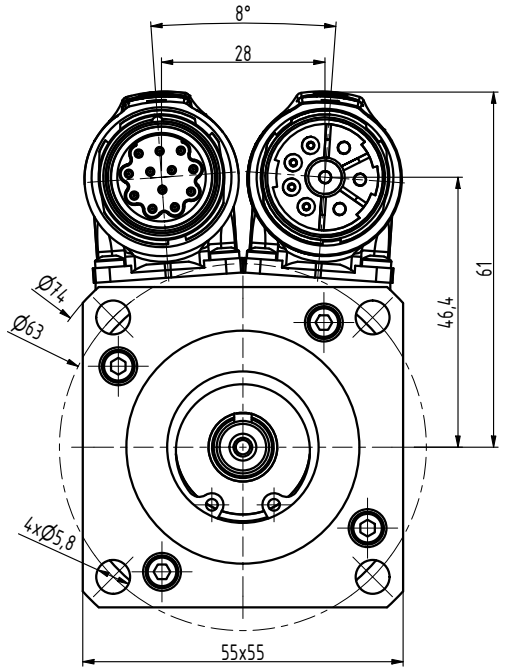
AFC114N00000214000
M23, 12 poles, rectangular



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

Connector 2 (458)	
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-





TYP	K1
N2-0028	117
N2-0054	132
N2-0075	147
N2-0095	162
N2-0112	177

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	11.07.2016		STARÝ V.	Č.V.

NÁZEV
Motor N2

N2100 00 BP Z

Listů List