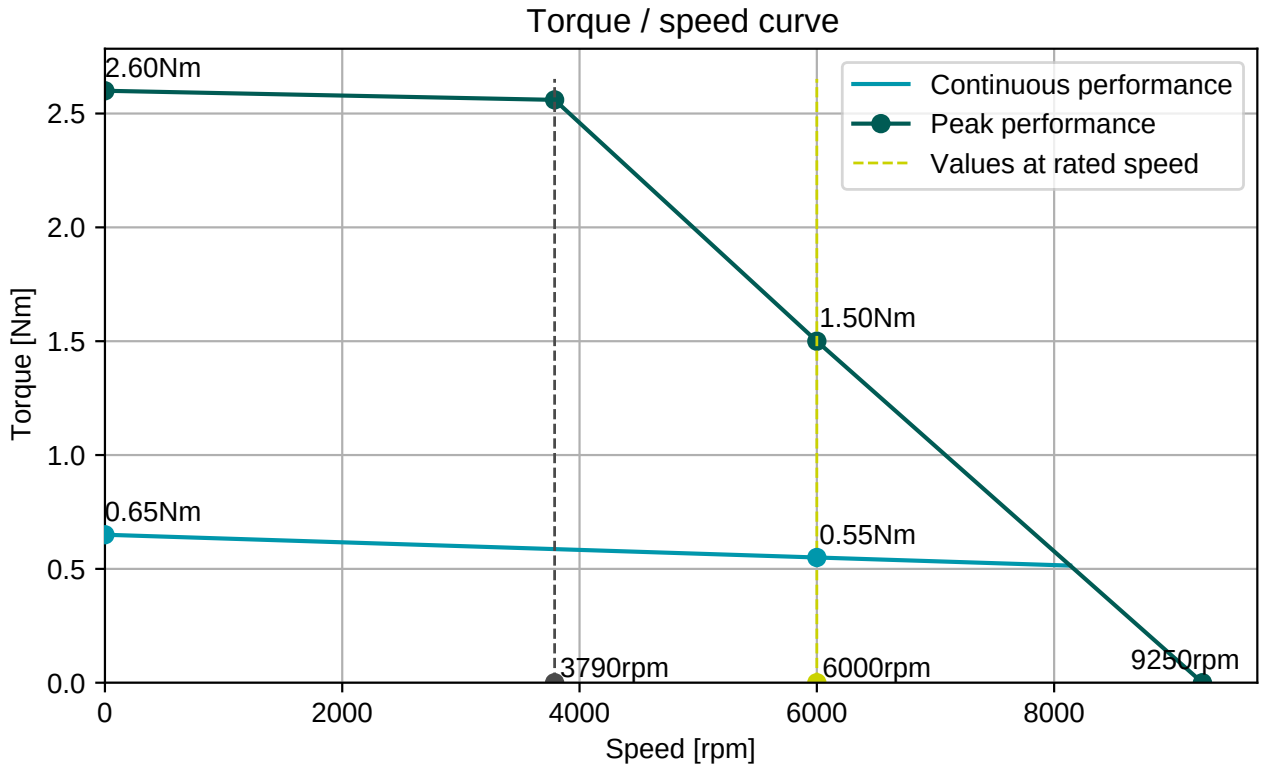
Engineering data (WIN 1696)		
DC bus voltage	48	V DC
Nominal AC voltage	30	V AC (rms)
Rated voltage	23	V AC (rms)
Rated power	346	W
Rated speed	6000	rpm
Rated torque	0.55	Nm
Rated current	11.1	A (rms)
Peak torque	2.6	Nm
Peak current	52.5	A (rms)
Stall torque	0.65	Nm
Stall current	12.2	A (rms)
No load speed	9250	rpm
EMF constant ±10%	3.22	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.053	Nm / A (rms)
Torque constant ±10% @ rated load	0.050	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.17	ms
Winding terminal resistance	0.213	Ω
Rotary field terminal inductance	0.25	mH

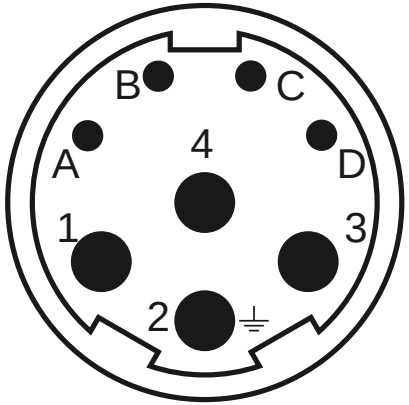
Certifications & customs info	
HS Code	85015100
UL isolation	Certified

Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	6.50	ms
Thermal time constant	25	min
Rotor inertia	0.5	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	3.5	kg

Sensors	
Temperature	PT1000 {PT1000}
Feedback 1	DFS60B, 1024 imp./rev.
Feedback 2	ECN1325 (EnDat 2.2) single-turn, 25 bits

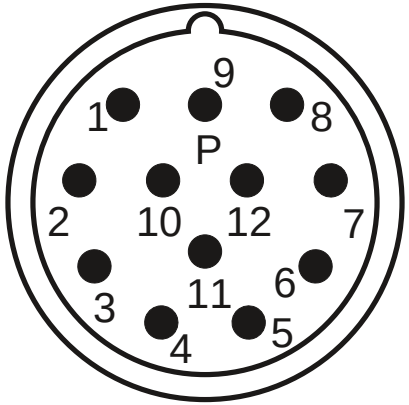

Torque / speed curve
Continuous performance
Peak performance
Values at rated speed
2.60Nm
1.50Nm
0.65Nm
0.55Nm
3790rpm
6000rpm
9250rpm
Torque [Nm]
Speed [rpm]
0.0
0.5
1.0
1.5
2.0
2.5
0
2000
4000
6000
8000

AGC052N00001215000
M23, 12 poles, rotary



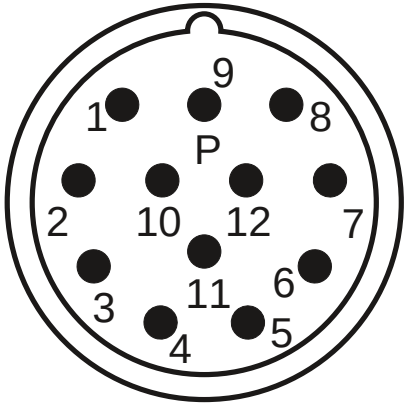
Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

AGC052N00001215000
M23, 12 poles, rotary

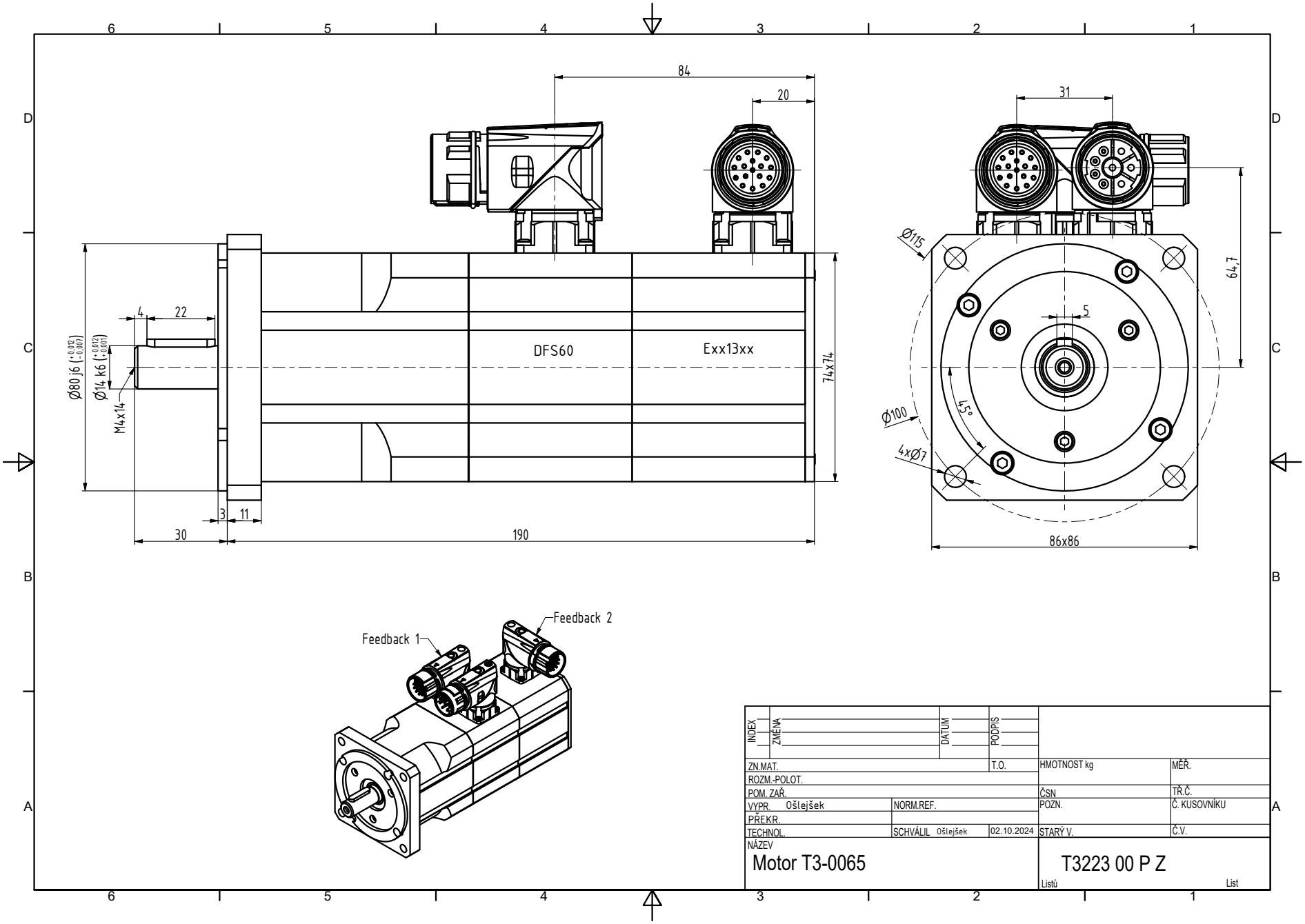


Connector 2 (525)	
6	A-
5	A
1	B-
8	B
4	Z-
3	Z
10	GND
12	+Us

AGC052N00001215000
M23, 12 poles, rotary



Connector 3 (293)	
1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor


84
20
31
DFS60
Exx13xx
Ø80 j6 (+0.012 -0.007)
Ø14 k6 (+0.012 +0.001)
M4x14
4
22
3
11
30
190
74x74
Ø115
64,7
5
Ø100
45°
4xØ7
86x86
Feedback 1
Feedback 2
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ZMĚNA
DATUM
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T.O.
HMOTNOST kg
MĚŘ.
ROZM.-POLOT.
POM. ZAŘ.
ČSN
TŘ.Č.
VYPR. Ošlejšek
NORM.REF.
POZN.
Č. KUSOVNÍKU
PŘEKR.
TECHNOL.
SCHVÁLIL Ošlejšek
02.10.2024
STARÝ V.
Č.V.
NÁZEV
Motor T3-0065
T3223 00 P Z
Listů
List