

Engineering motordata (WIN 719)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	269 V AC (rms)
Rated power	635 W
Rated speed	6000 rpm
Rated torque	1.01 Nm
Rated current	1.99 A (rms)
Peak torque	3.45 Nm
Peak current	7.8 A (rms)
Stall torque	1.15 Nm
Stall current	1.78 A (rms)
No load speed	9680 rpm
EMF constant ±10%	39 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.65 Nm / A (rms)
Torque constant ±10% @ rated load	0.51 Nm / A (rms)
Number of poles	10
Electrical time constant	2.15 ms
Winding terminal resistance	10.71 Ω
Rotary field terminal inductance	23 mH

Customs info

HS Code	85015100
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Mechanical motor data (setting 48)

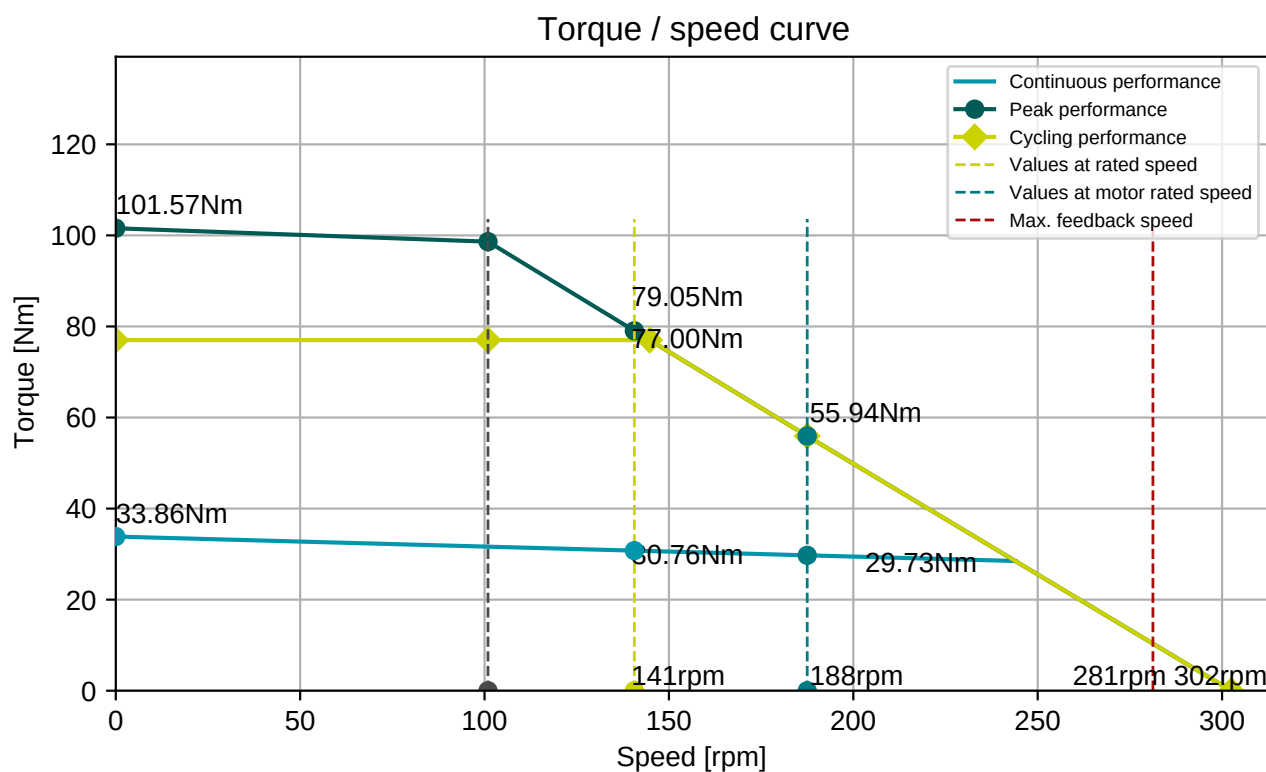
Max mechanical speed	12000 rpm
Mech. time constant	1.38 ms
Thermal time constant	21 min
Rotor inertia	0.31 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	2 kg
Max. axial force 20kh	43 N
Max. radial force 20kh	225 N*
Max. axial force 100kh	25 N
Max. radial force 100kh	131 N*

* Defined for point of action at ½ output shaft length

Sensors

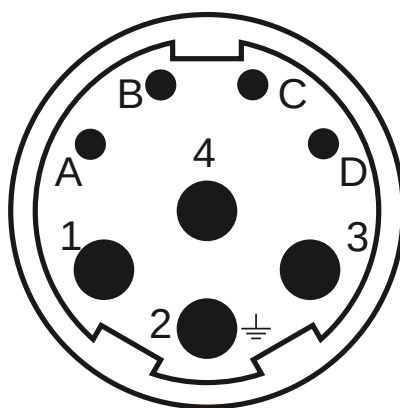
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	32	Radial force for 20'000h	3200 N*
Efficiency	92 %*	Axial force for 20'000h	4400 N
Torsional stiffness	4.8 Nm/arcmin	Output shaft design	Shaft key
Number of stages	2	Mass	2.47 kg
Rated output torque	38 Nm	Input inertia	0.213 kgcm ²
Cycling output torque	77 Nm	Protection	IP65
Max output torque	103 Nm	* Defined for point of action at ½ output shaft length	
Emergency output torque	150 Nm	Actuator data	
Rated input speed	4500 rpm	Rated speed	141 rpm
Max input speed	10000 rpm	Rated torque	30.76 Nm
Operating temperature	<-25; 90> °C	Cycling torque	77.00 Nm
Max. backlash	< 5 arcmin	Peak torque	101.57 Nm
Service life	20000 h	Emergency stop torque	110.40 Nm
* at rated speed & torque		EMF constant ±10%	1248.0 V AC (rms) / 1000rpm
Lubrication		Torque constant ±10% @ rated load	14.94 Nm / A (rms)
Type	Standard	Total mass	4.47 kg
Lubricant	Oil (lifetime lubrication)	Output inertia	535.6 kgcm ²



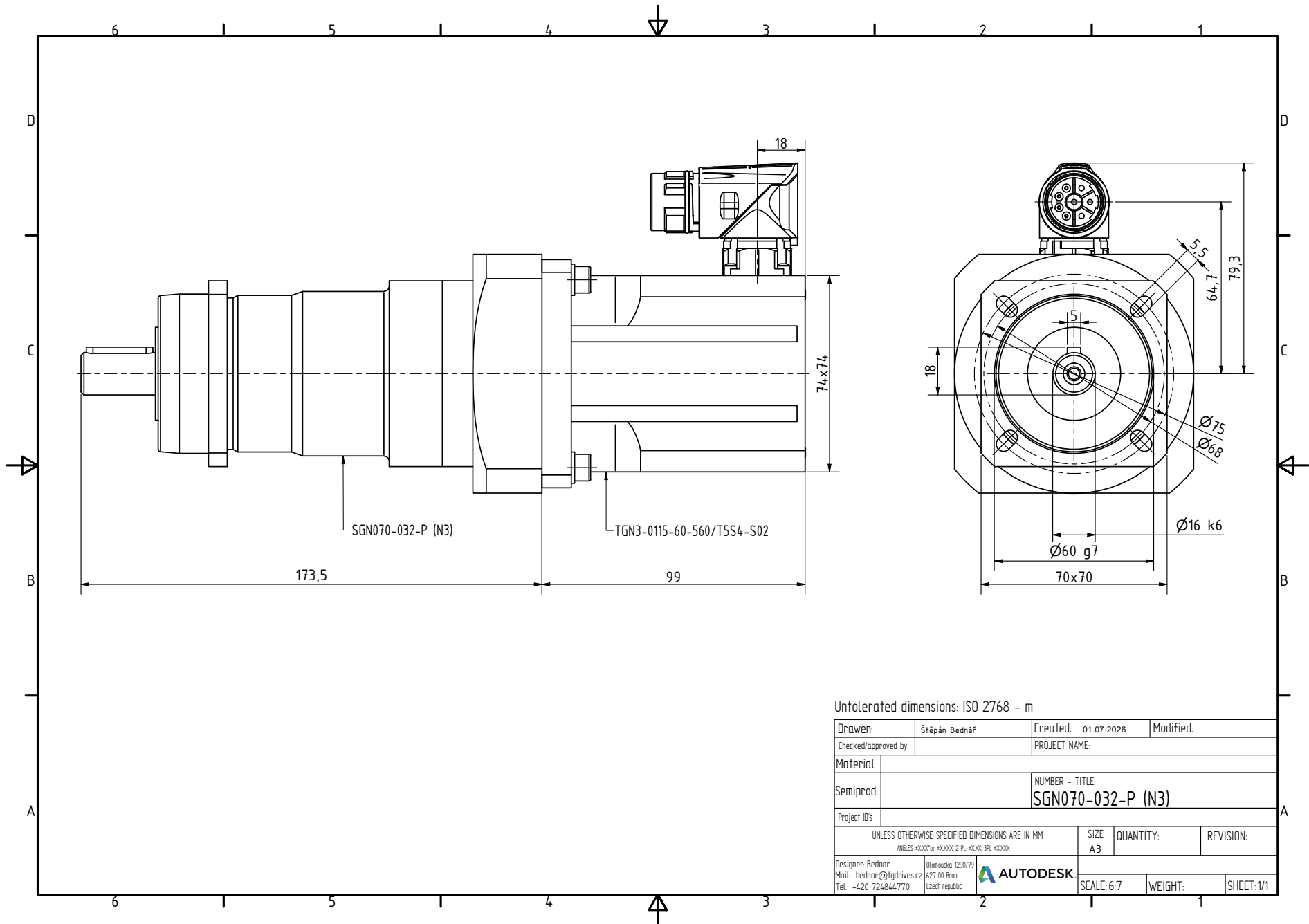
BGC110N00001216000

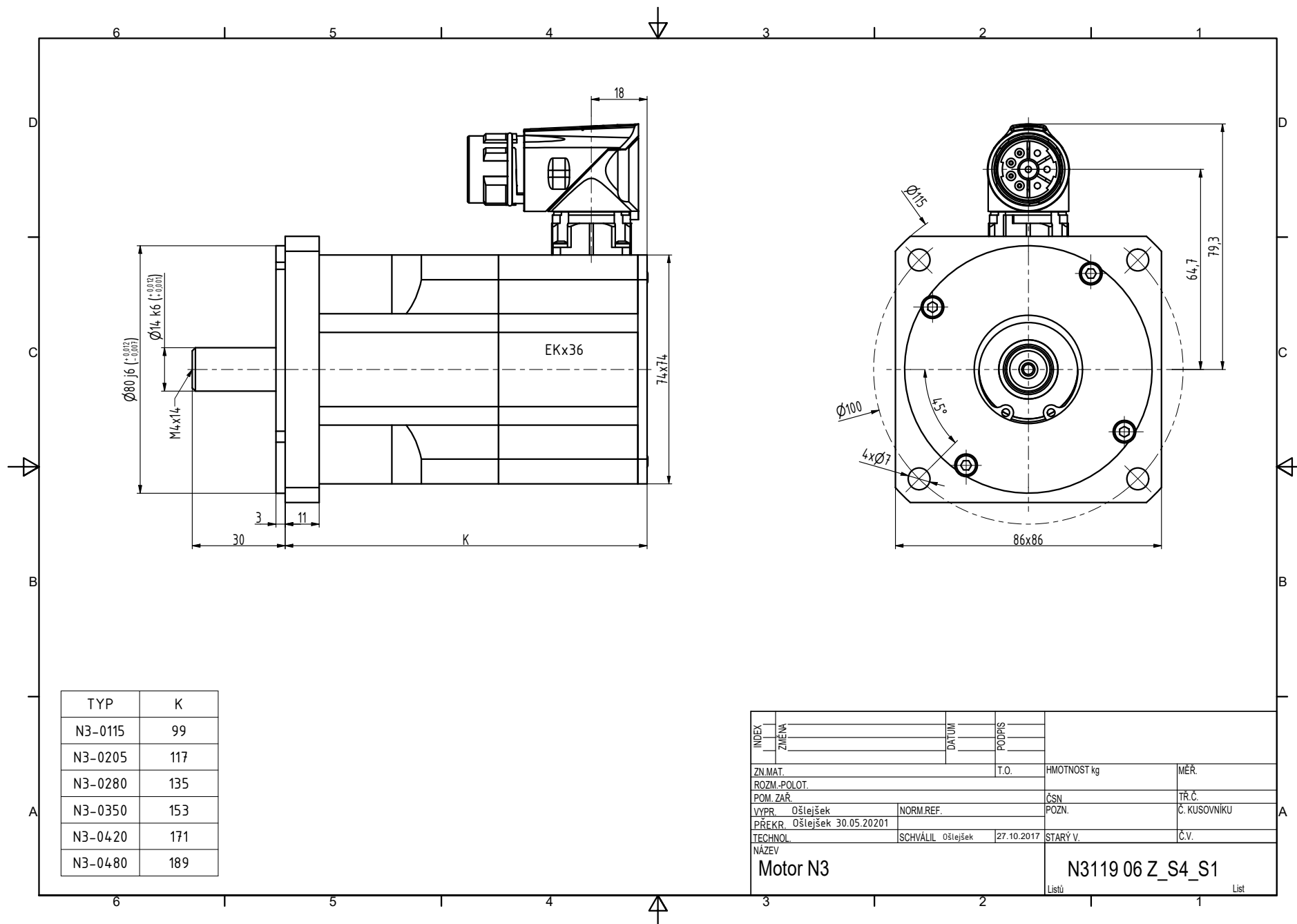
M23, 8 poles, rotary

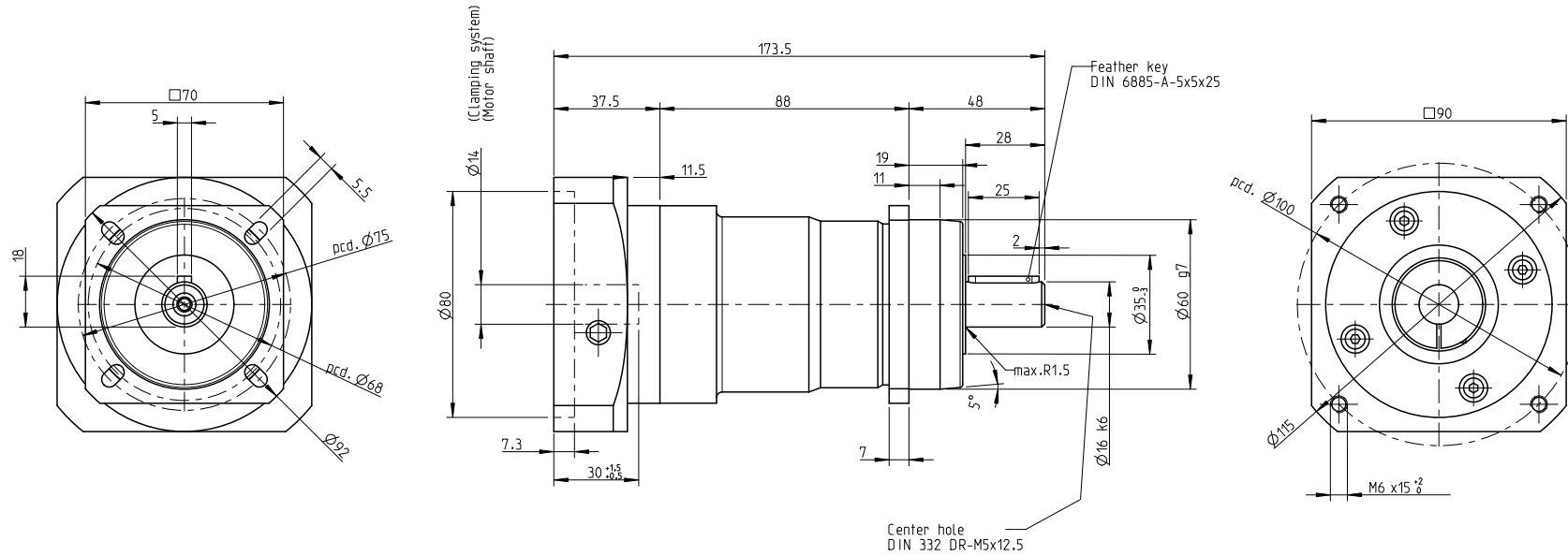


Connector 1 (283)

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







INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.				ČSN	TR.Č.
ROZM. ZAŘ.				POZN.	Č. KUSOVNÍKU
VYPR.	NORM. REF.			STARÝ V.	Č.V.
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020			
NÁZEV	Gearbox SGN070			TGN3, TGH3, TGT3	
				Listů	List