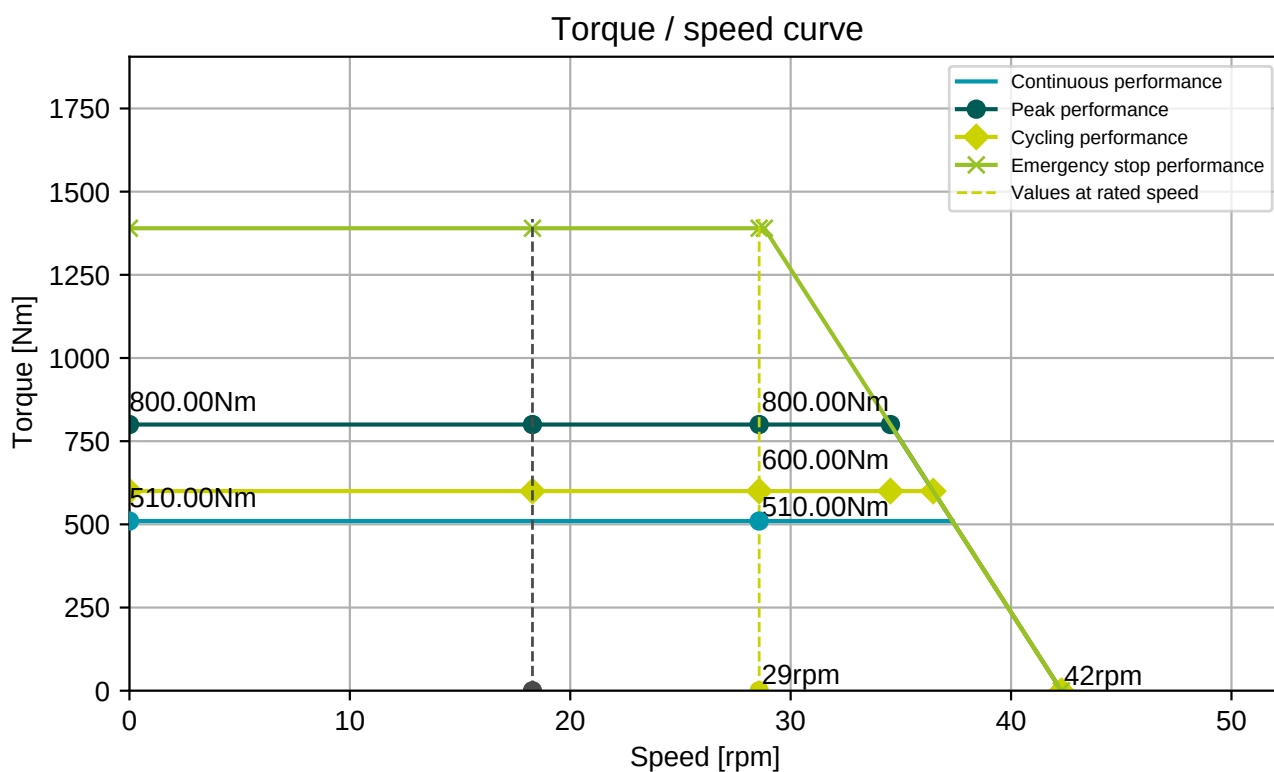


Engineering motordata (WIN 771)		Mechanical motor data (setting 48)							
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm						
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.81 ms						
Rated voltage	289 V AC (rms)	Thermal time constant	45 min						
Rated power	2.3 kW	Rotor inertia	7.9 kgcm²						
Rated speed	2000 rpm	Protection	IP64						
Rated torque	11.20 Nm	Color	RAL 9005						
Rated current	5.98 A (rms)	Cooling	Convection						
Peak torque	36 Nm	Motor-only mass	11.2 kg						
Peak current	20.9 A (rms)	Max. axial force 20kh	145 N						
Stall torque	12 Nm	Max. radial force 20kh	761 N*						
Stall current	5.7 A (rms)	Max. axial force 100kh	85 N						
No load speed	2960 rpm	Max. radial force 100kh	445 N*						
EMF constant ±10%	128 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length							
Theoretical torque constant ±10%	2.12 Nm / A (rms)								
Torque constant ±10% @ rated load	1.87 Nm / A (rms)	<table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>EKM36 (HDSL) multi-turn, 17 + 12 bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits								
Number of poles	10								
Electrical time constant	8.05 ms								
Winding terminal resistance	2.66 Ω								
Rotary field terminal inductance	21.4 mH								

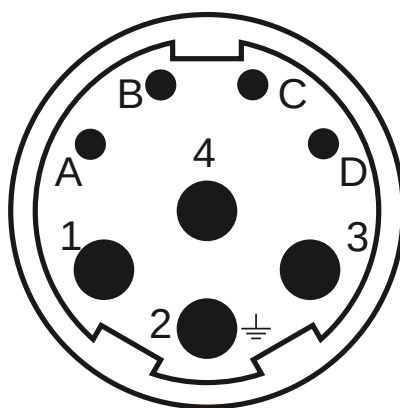
Customs info	
HS Code	85015220

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	70	Max. radial force	12000 N
Efficiency	92 %*	Max. axial force	7500 N
Torsional stiffness	160 Nm/arcmin	Output shaft design	Flange with dowel hole
Number of stages	2	Mass	13.01 kg
Rated output torque	510 Nm	Input inertia	1.163 kgcm ²
Cycling output torque	600 Nm	Protection	IP65
Max output torque	800 Nm		
Emergency output torque	1390 Nm		
Rated input speed	3500 rpm		
Max input speed	8500 rpm		
Operating temperature	<-25; 90> °C		
Max. backlash	< 1 arcmin		
Service life	20000 h		
* at rated speed & torque			
Lubrication		Actuator data	
Type	Standard	Rated speed	29 rpm
Lubricant	Castrol Optigear Synthetic 800/220	Rated torque	510.00 Nm
		Cycling torque	600.00 Nm
		Peak torque	800.00 Nm
		Emergency stop torque	1390.00 Nm
		EMF constant ±10%	8960.0 V AC (rms) / 1000rpm
		Torque constant ±10% @ rated load	120.62 Nm / A (rms)
		Total mass	24.21 kg
		Output inertia	44408.7 kgcm ²



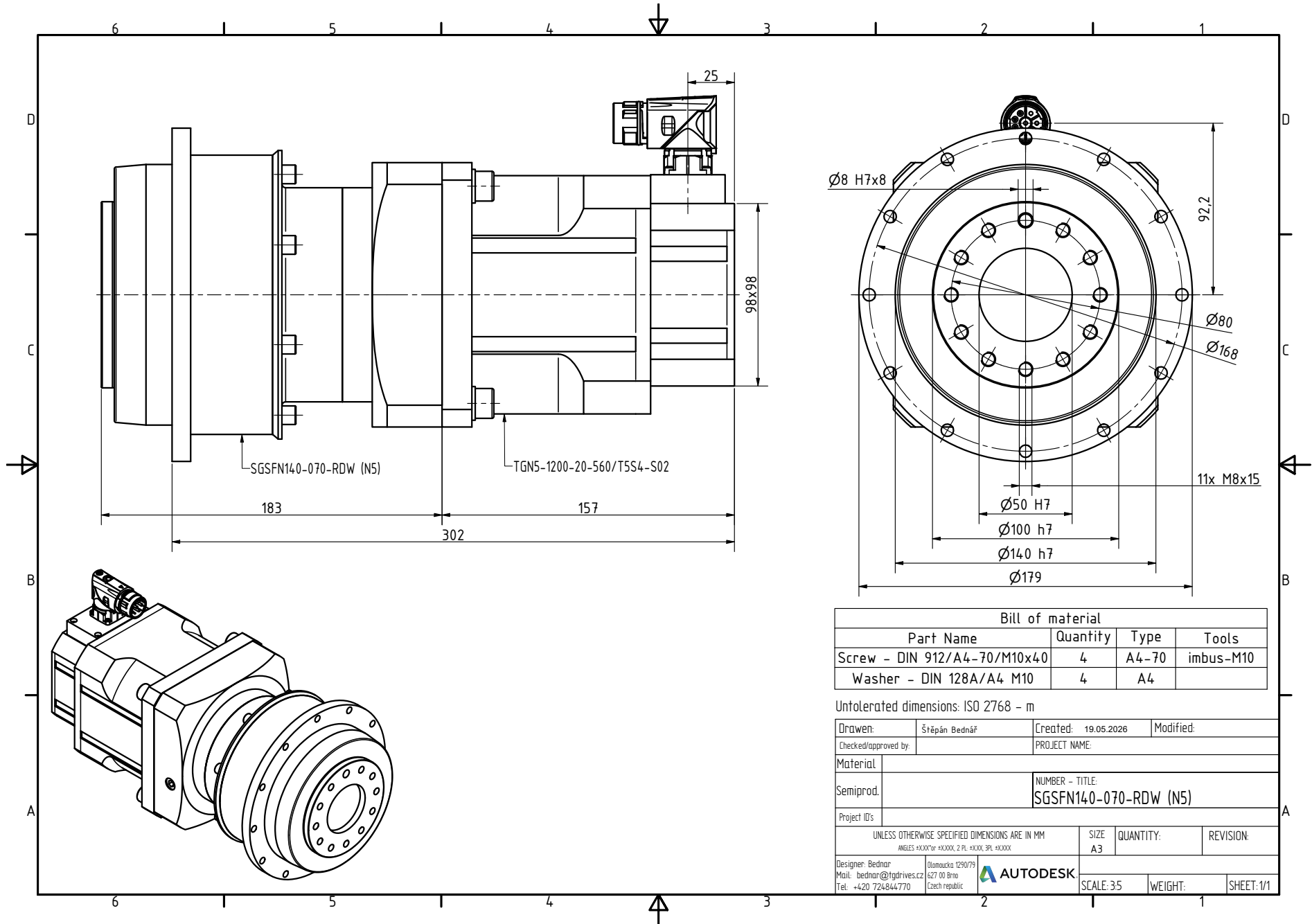
BGC110N00001216000

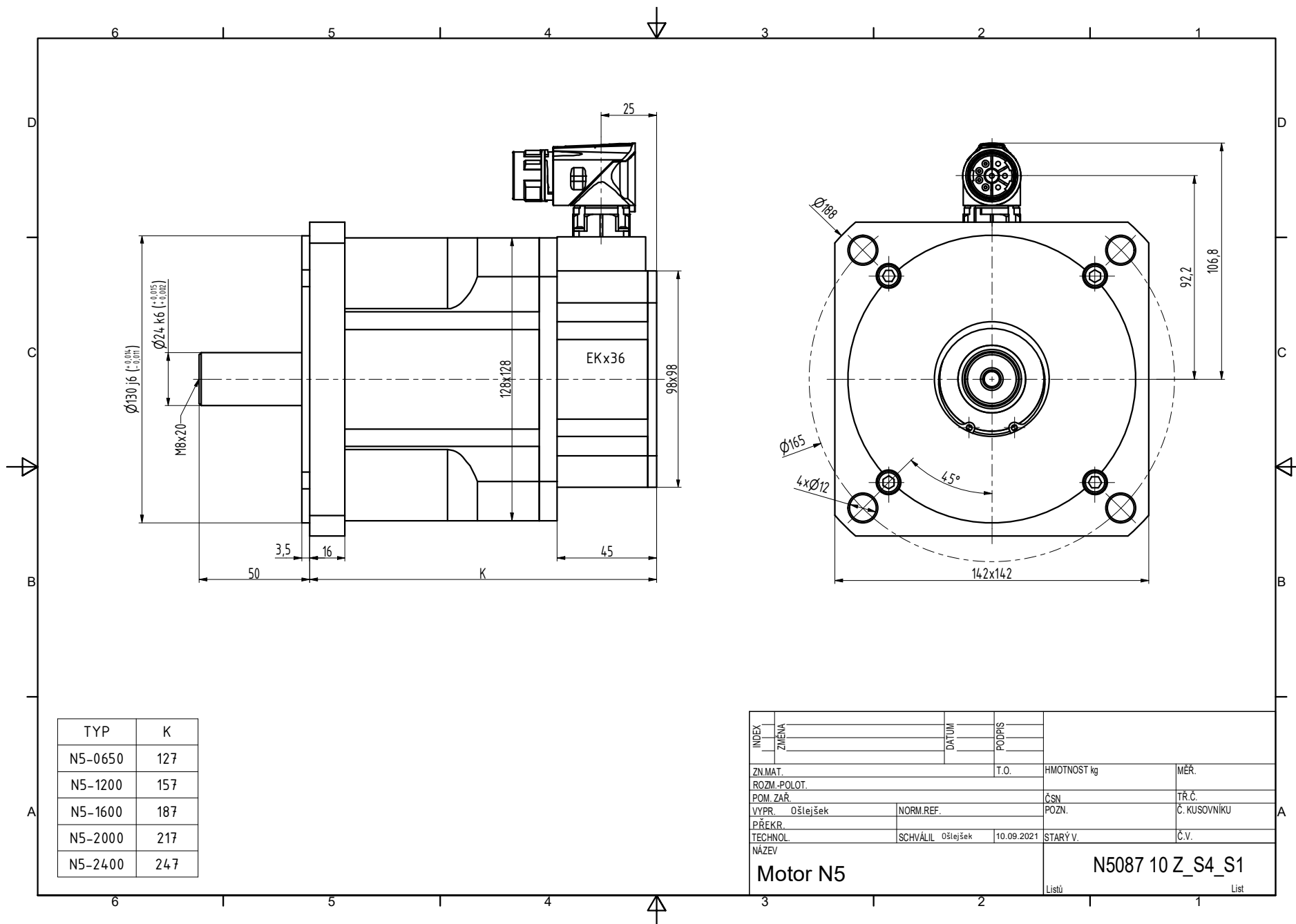
M23, 8 poles, rotary

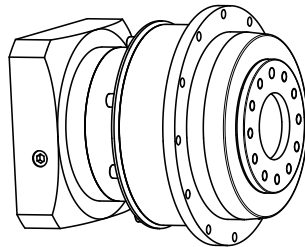
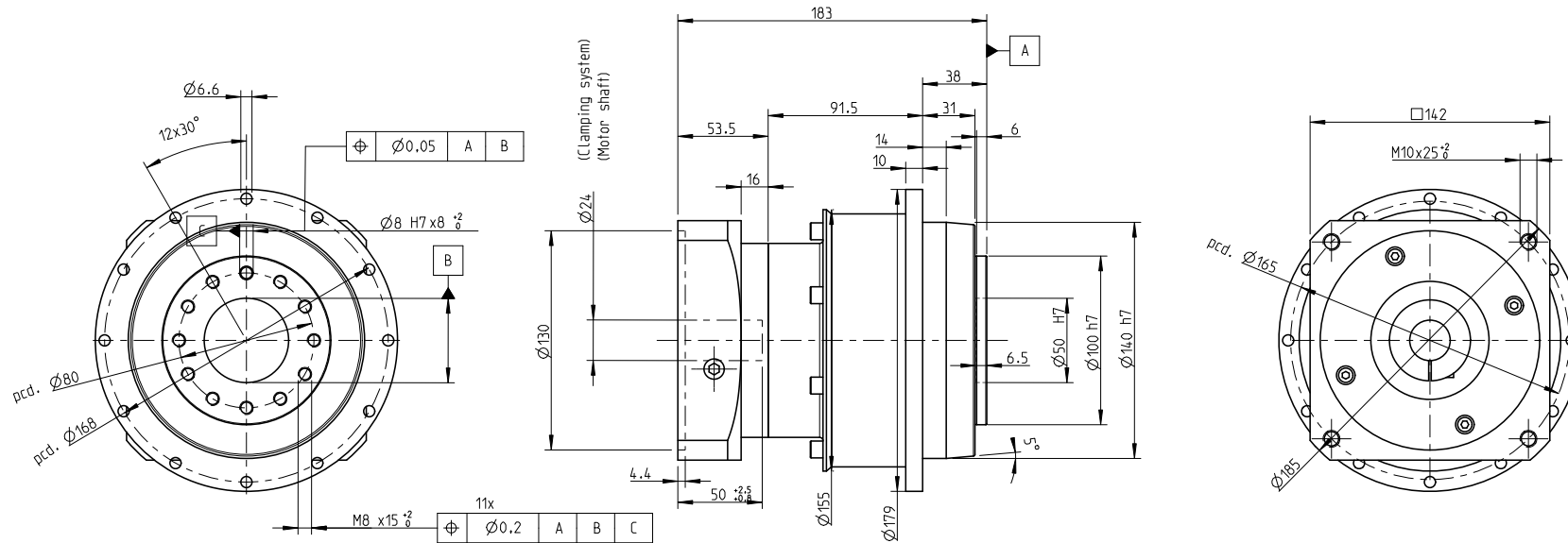


Connector 1 (283)

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







INDEX	ZMENA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MEŘ.
ROZM.-POLOT.					
ROZM. ZAR.				ČSN	TR.Č.
VYPR.	NORM. REF.		POZN.	Č. KUSOVNÍKU	
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.	
NÁZEV				TGN5, TGT5, TGH5	
Gearbox SGSFN140				Listů	List