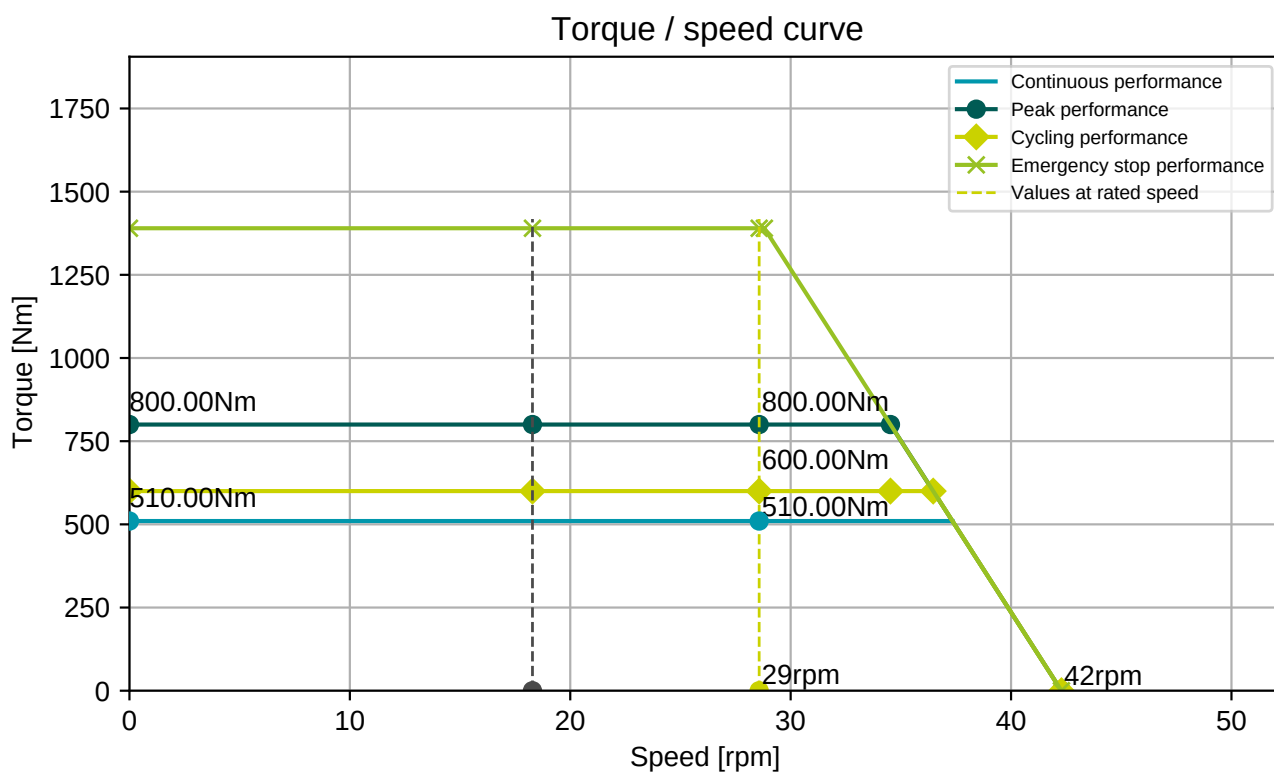


Engineering motordata (WIN 771)		Mechanical motor data (setting 48)							
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm						
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.81 ms						
Rated voltage	289 V AC (rms)	Thermal time constant	45 min						
Rated power	2.3 kW	Rotor inertia	7.9 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>EDM35 (HDSL) multi-turn, 20+12 bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	EDM35 (HDSL) multi-turn, 20+12 bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	EDM35 (HDSL) multi-turn, 20+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								

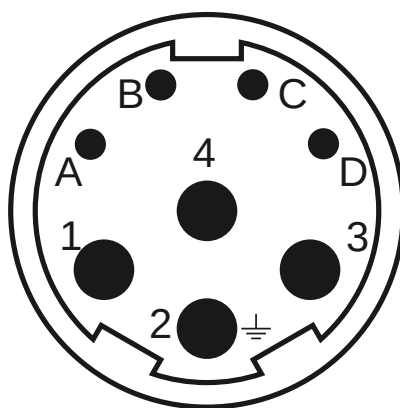
Customs info	
HS Code	85015220

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	Actuator data	
Emergency output torque	1390 Nm	Rated speed	29 rpm
Rated input speed	3500 rpm	Rated torque	510.00 Nm
Max input speed	8500 rpm	Cycling torque	600.00 Nm
Operating temperature	<-25; 90> °C	Peak torque	800.00 Nm
Max. backlash	< 1 arcmin	Emergency stop torque	1390.00 Nm
Service life	20000 h	EMF constant ±10%	8960.0 V AC (rms) / 1000rpm
* at rated speed & torque		Torque constant ±10% @ rated load	120.62 Nm / A (rms)
Lubrication		Total mass	24.21 kg
Type	Standard	Output inertia	44408.7 kgcm ²
Lubricant	Castrol Optigear Synthetic 800/220		



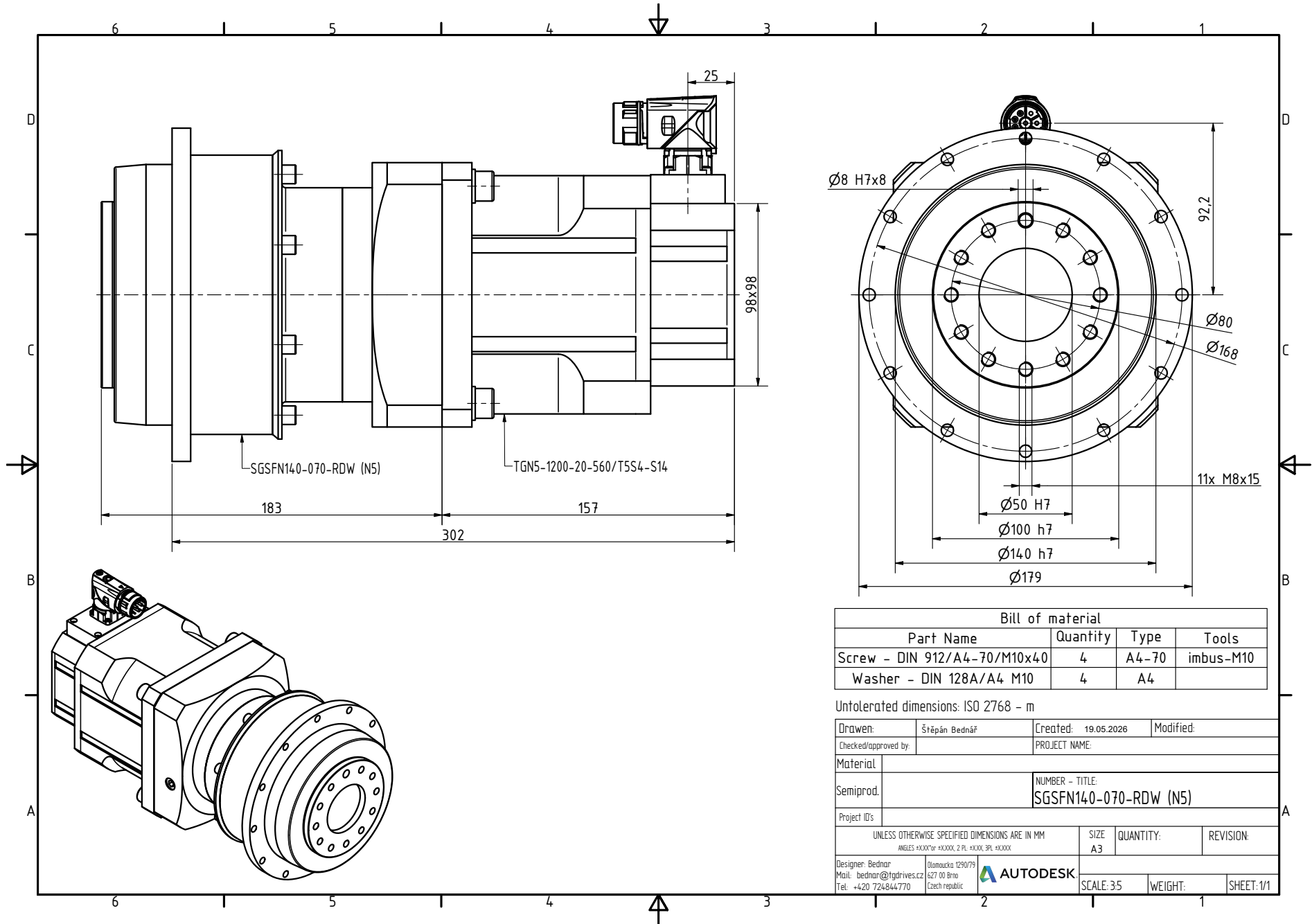
BGC110N00001216000

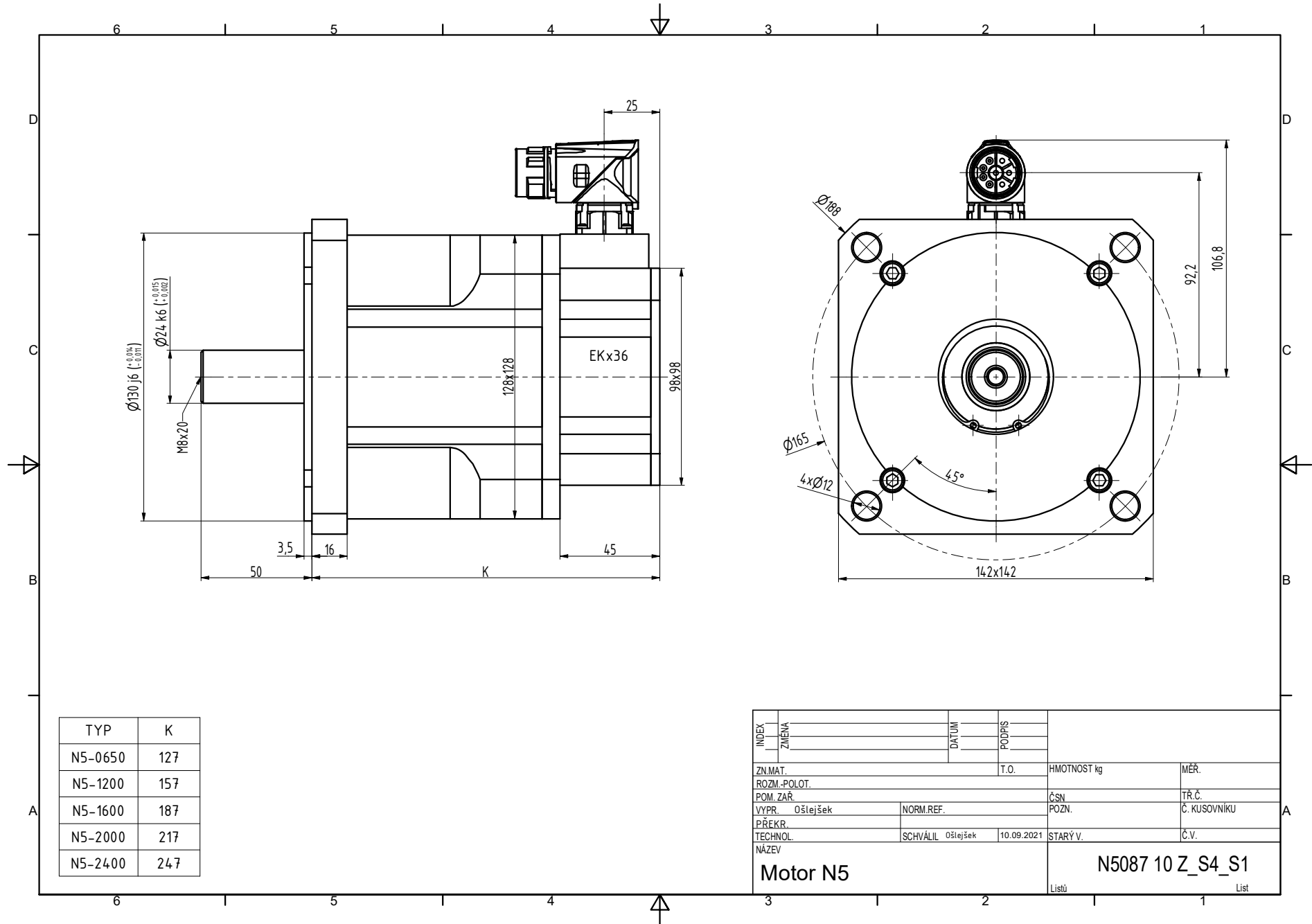
M23, 8 poles, rotary

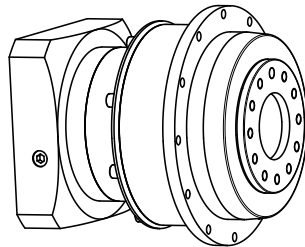
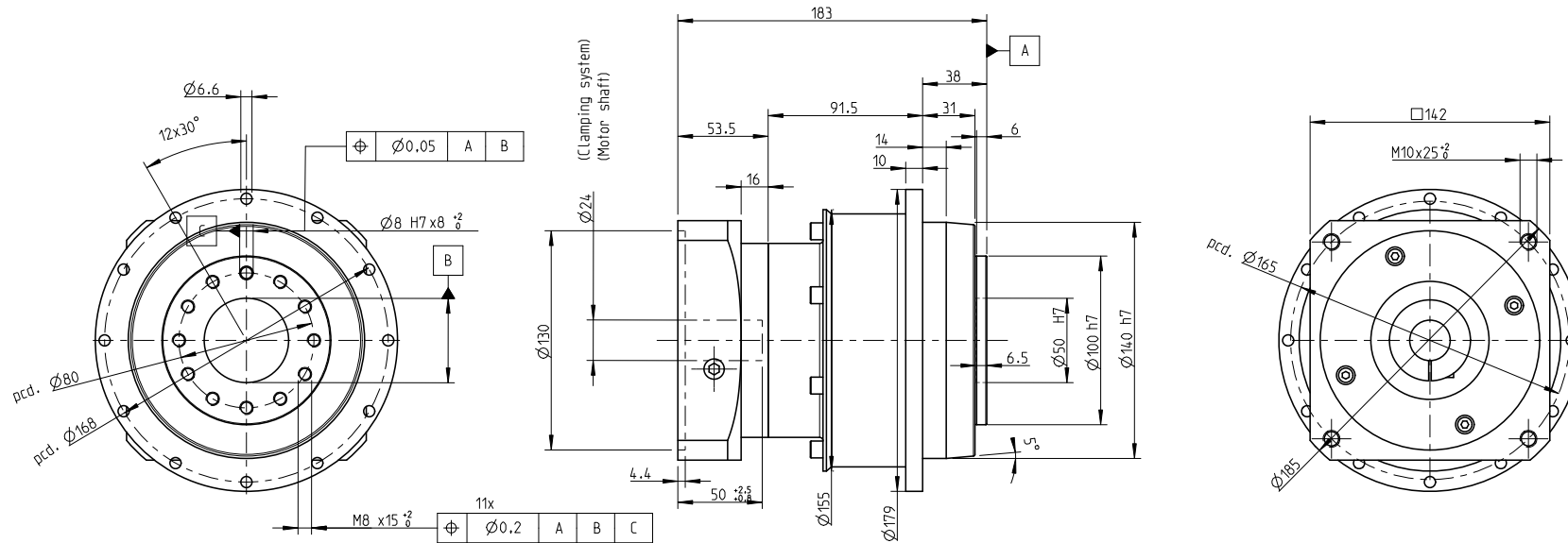


Connector 1 (283)

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