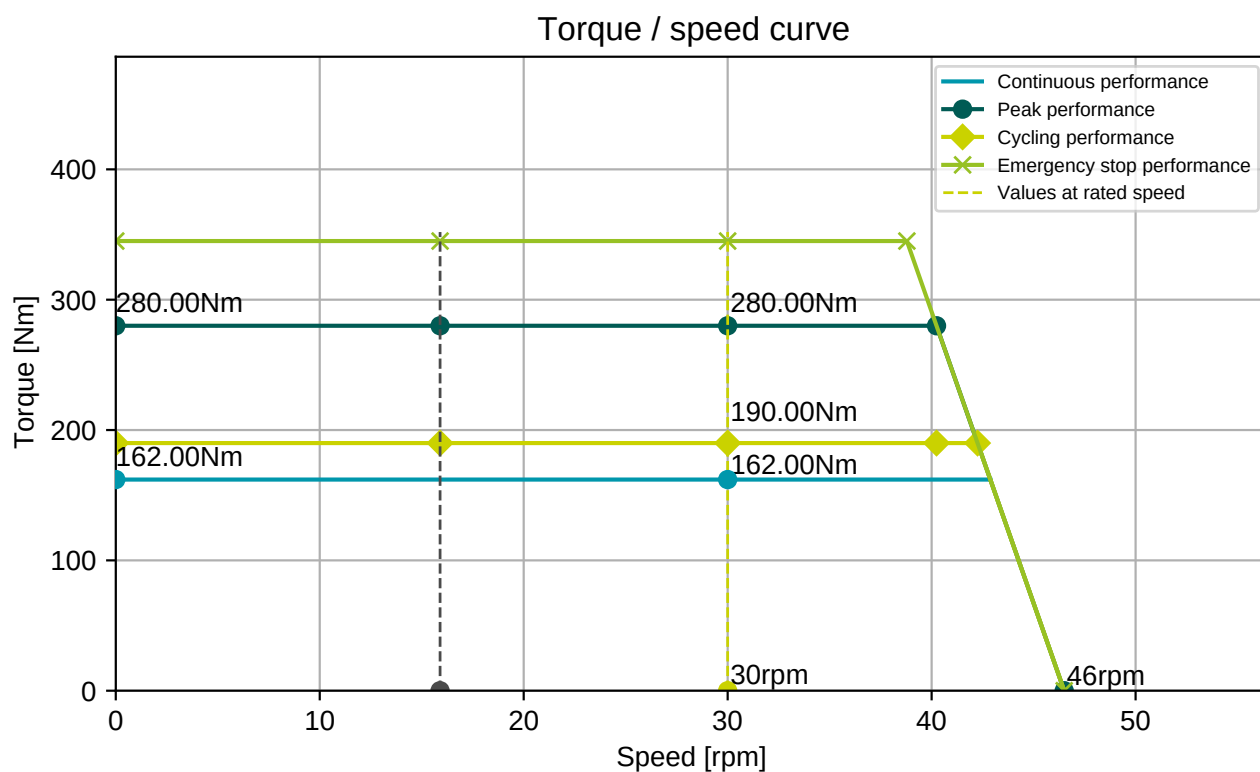


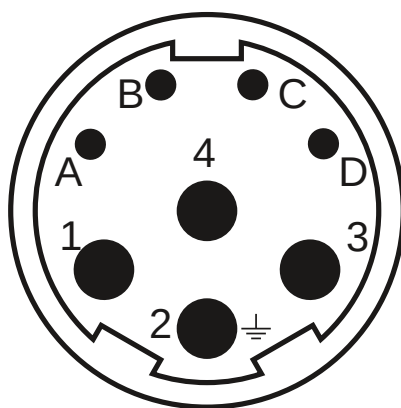
Engineering motordata (WIN 709)		Mechanical motor data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.78 ms
Rated voltage	276 V AC (rms)	Thermal time constant	25 min
Rated power	1.3 kW	Rotor inertia	2.04 kgcm ²
Rated speed	3000 rpm	Protection	IP64
Rated torque	4.20 Nm	Color	RAL 9005
Rated current	3.94 A (rms)	Cooling	Convection
Peak torque	15.3 Nm	Motor-only mass	4.7 kg
Peak current	17.4 A (rms)	Max. axial force 20kh	113 N
Stall torque	5.1 Nm	Max. radial force 20kh	595 N*
Stall current	3.81 A (rms)	Max. axial force 100kh	66 N
No load speed	4650 rpm	Max. radial force 100kh	348 N*
EMF constant ±10%	81 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	1.34 Nm / A (rms)		
Torque constant ±10% @ rated load	1.07 Nm / A (rms)	Sensors Temperature PT1000 {PT1000} Feedback EKM36 (HDSL) multi-turn, 17 + 12 bits	
Number of poles	10		
Electrical time constant	5.45 ms		
Winding terminal resistance	3.98 Ω		
Rotary field terminal inductance	21.7 mH		
Customs info			
HS Code	85015220		

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	100	Max. radial force	4900 N
Efficiency	90 %*	Max. axial force	6450 N
Torsional stiffness	64 Nm/arcmin	Output shaft design	Flange with dowel hole
Number of stages	2	Mass	6.68 kg
Rated output torque	162 Nm	Input inertia	0.435 kgcm ²
Cycling output torque	190 Nm	Protection	IP65
Max output torque	280 Nm	Actuator data	
Emergency output torque	345 Nm	Rated speed	30 rpm
Rated input speed	4000 rpm	Rated torque	162.00 Nm
Max input speed	10000 rpm	Cycling torque	190.00 Nm
Operating temperature	<-25; 90> °C	Peak torque	280.00 Nm
Max. backlash	< 1 arcmin	Emergency stop torque	345.00 Nm
Service life	20000 h	EMF constant ±10%	8100.0 V AC (rms) / 1000rpm
* at rated speed & torque		Torque constant ±10% @ rated load	95.94 Nm / A (rms)
Lubrication		Total mass	11.38 kg
Type	Standard	Output inertia	24750.0 kgcm ²
Lubricant	Oil (lifetime lubrication)		



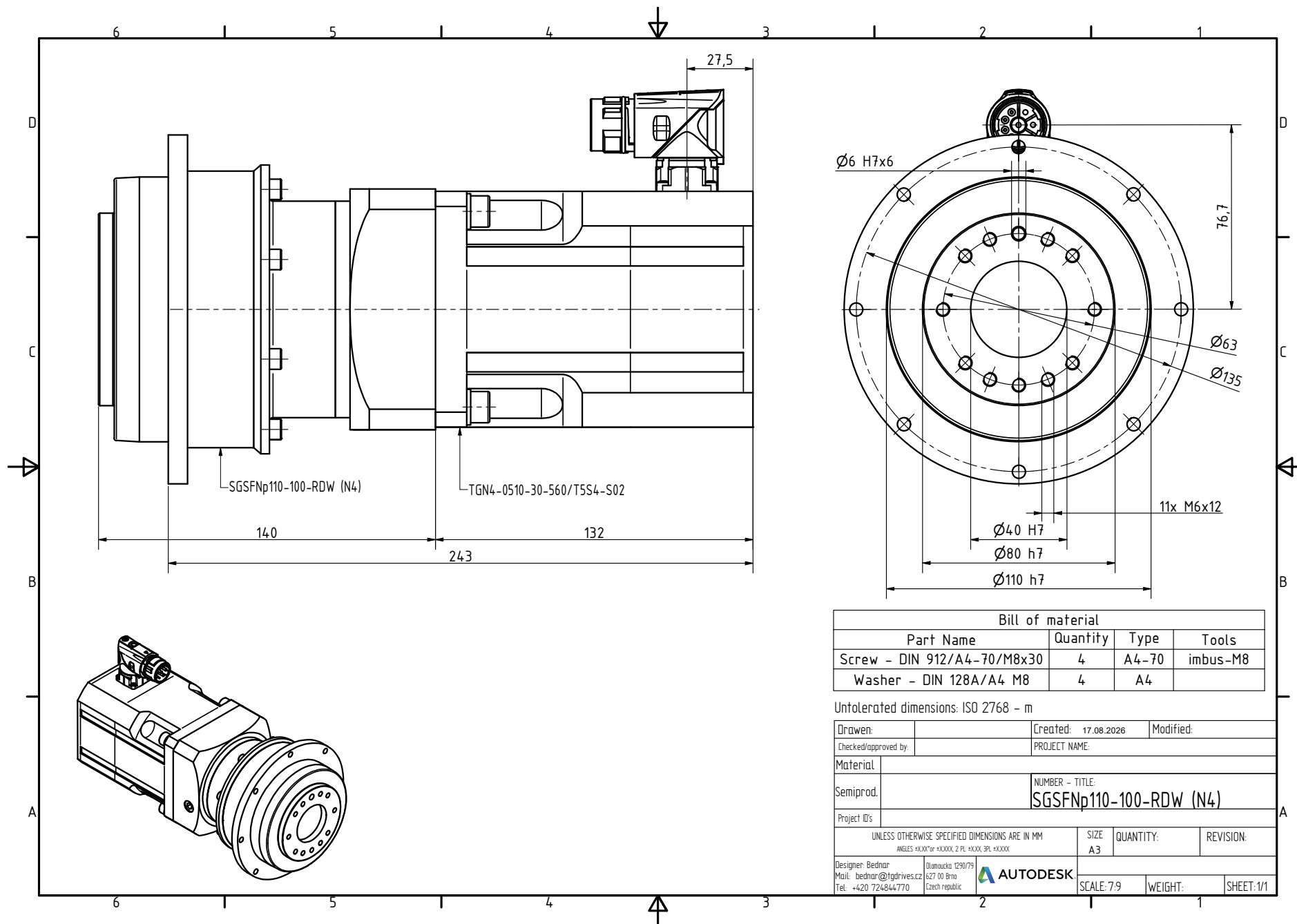
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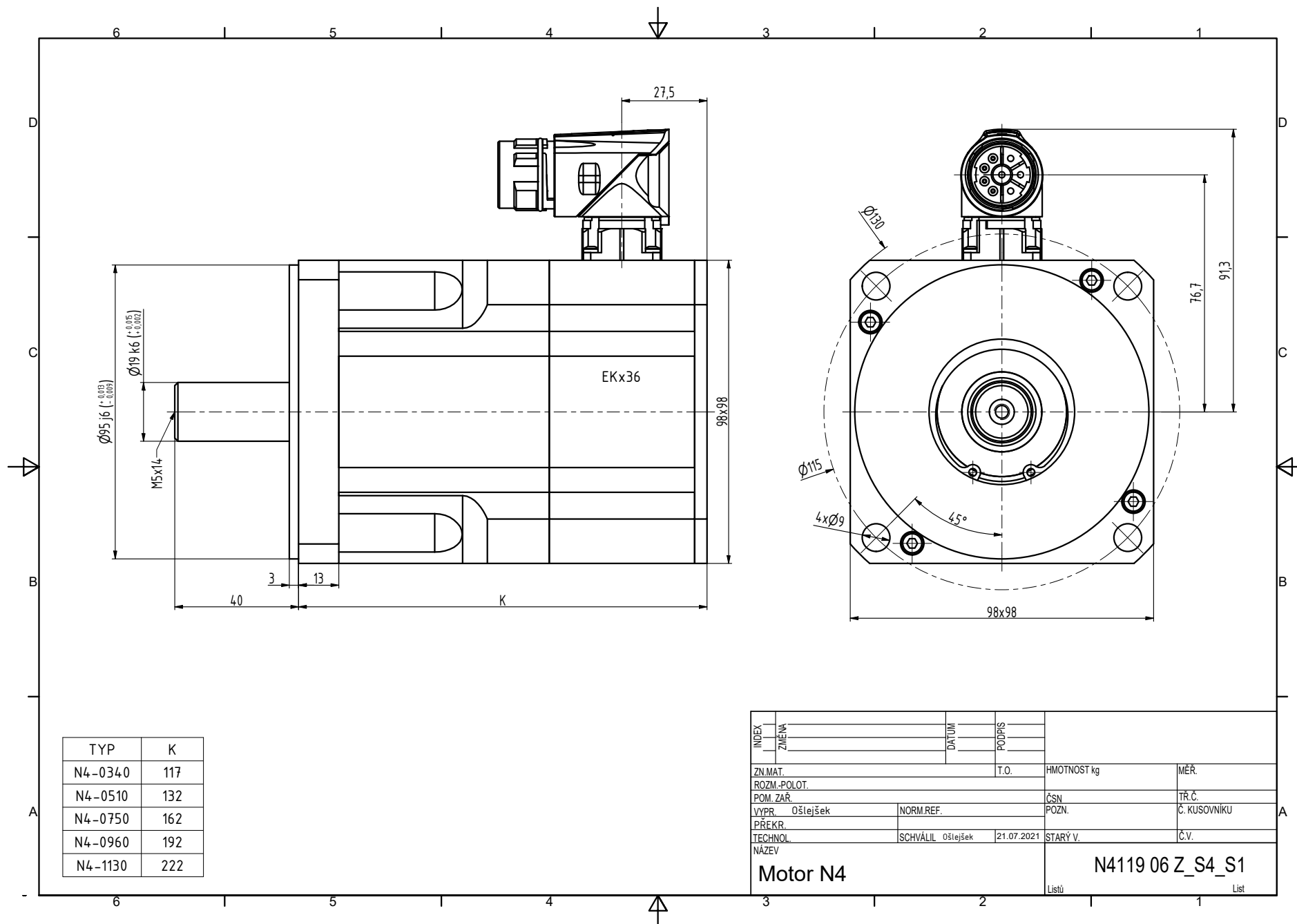
M23, 8 poles, rotary

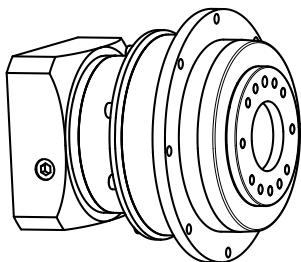
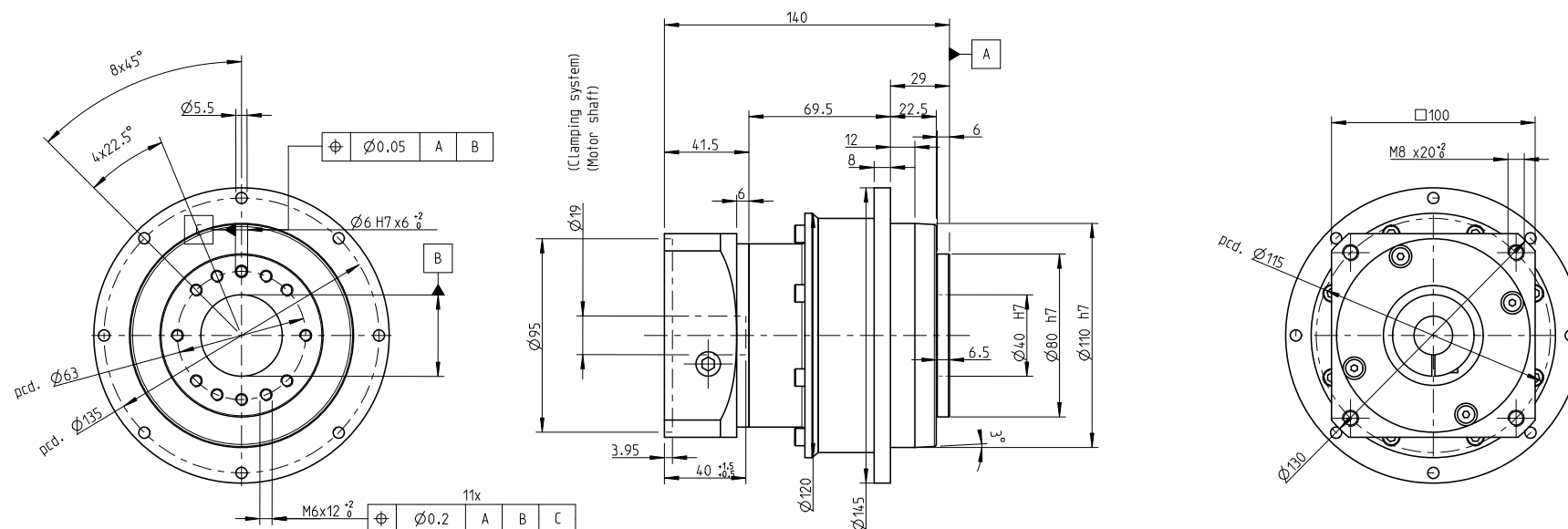


Connector 1 (283)

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.-POLOH.				
ROZM. ZAR.			ČSN	TR.Č.
VYPR.	NORM. REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.				
TECHNOL.	SCHVÁLIL.		STARÝ V.	Č.V.
NÁZEV	Gearbox SGSFNp110		TGN4, TGT4, TGH4	
			LISTŮ	LIST