

Engineering motordata (WIN 1015)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	15 V AC (rms)
Rated power	503 W
Rated speed	3000 rpm
Rated torque	1.60 Nm
Rated current	24.21 A (rms)
Peak torque	5.2 Nm
Peak current	110.5 A (rms)
Stall torque	1.9 Nm
Stall current	27.5 A (rms)
No load speed	4060 rpm
EMF constant ±10%	4.2 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.07 Nm / A (rms)
Torque constant ±10% @ rated load	0.07 Nm / A (rms)
Number of poles	10
Electrical time constant	2.38 ms
Winding terminal resistance	0.042 Ω
Rotary field terminal inductance	0.1 mH

Customs info

HS Code	85015100
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Mechanical motor data (setting 30)

Max mechanical speed	12000 rpm
Mech. time constant	1.05 ms
Thermal time constant	30 min
Rotor inertia	0.7 kgcm ²
Protection	IP67
Color	EPOX3 (RAL 9005)
Cooling	Convection
Motor-only mass	2.2 kg

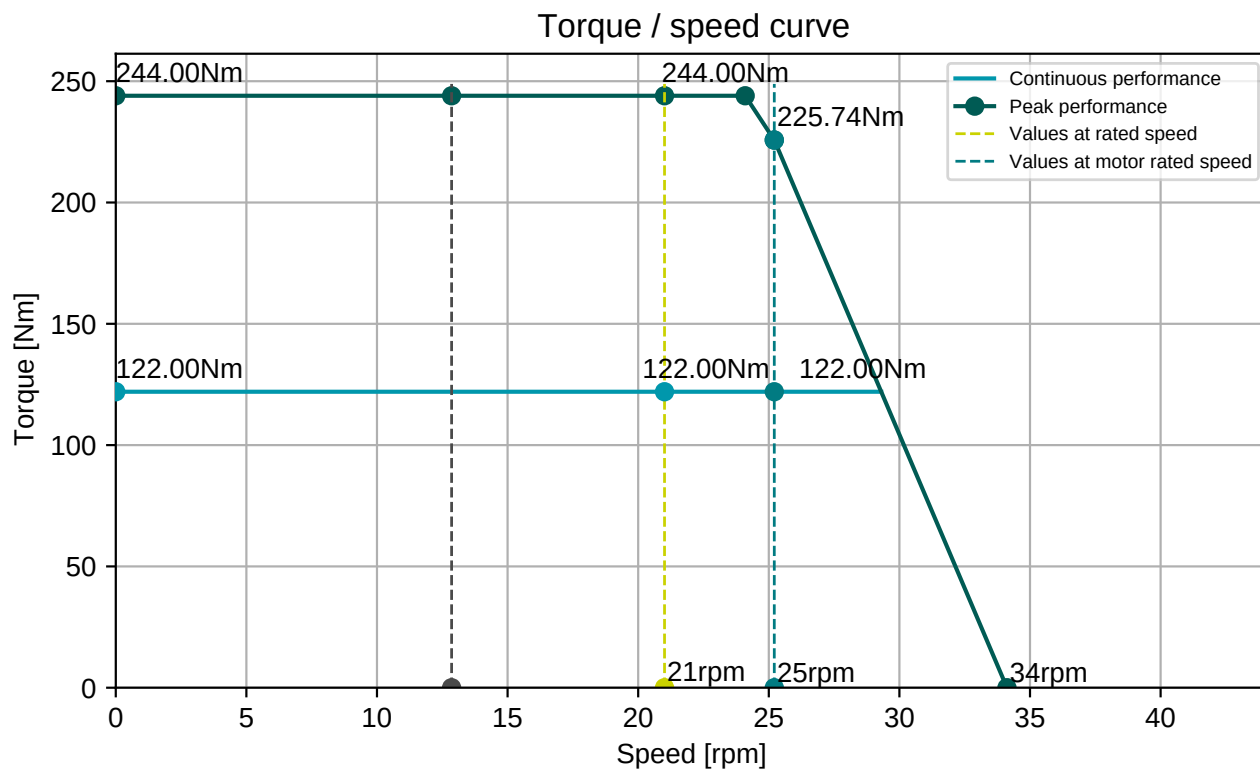
Sensors

Temperature	PT1000 {PT1000}
Feedback	ECN1123 (EnDat 2.2) single-turn, 23 bits

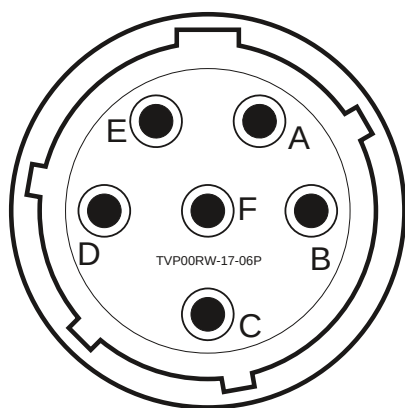
Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	15.0 W
Current @20°C	0.63 A
Inertia	0.08 kgcm ²
Mass	0.25 kg

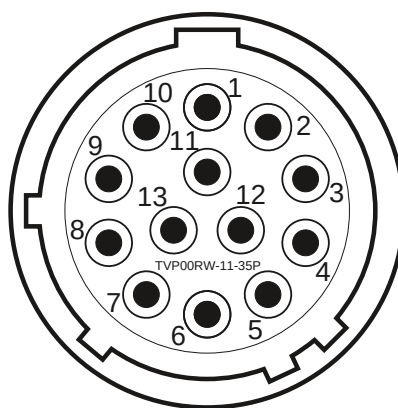
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	119	Max. radial force	9300 N
Efficiency	70 %*	Max. axial force	13100 N
Torsional stiffness	22 Nm/arcmin	Output shaft design	Flange
Rated output torque	122 Nm	Mass	3.76 kg
Max output torque	244 Nm	Input inertia	0.16 kgcm²
Rated input speed	2500 rpm	Protection	IP54
Max input speed	4500 rpm	Actuator data	
Operating temperature	<-40; 50> °C		
Max. backlash	< 1 arcmin		
Tilting stiffness	150 Nm/arcmin		
Service life	6000 h		
* at rated speed & torque			
Lubrication		Rated speed	21 rpm
Type	Low temperature	Rated torque	122.00 Nm
Lubricant	Tribol GR TT 1 PD	Peak torque	244.00 Nm
		EMF constant ±10%	499.8 V AC (rms) / 1000rpm
		Torque constant ±10% @ rated load	5.51 Nm / A (rms)
		Total mass	6.21 kg
		Output inertia	12178.5 kgcm²



TVP00RW-17-06P



TVP00RW-11-35P

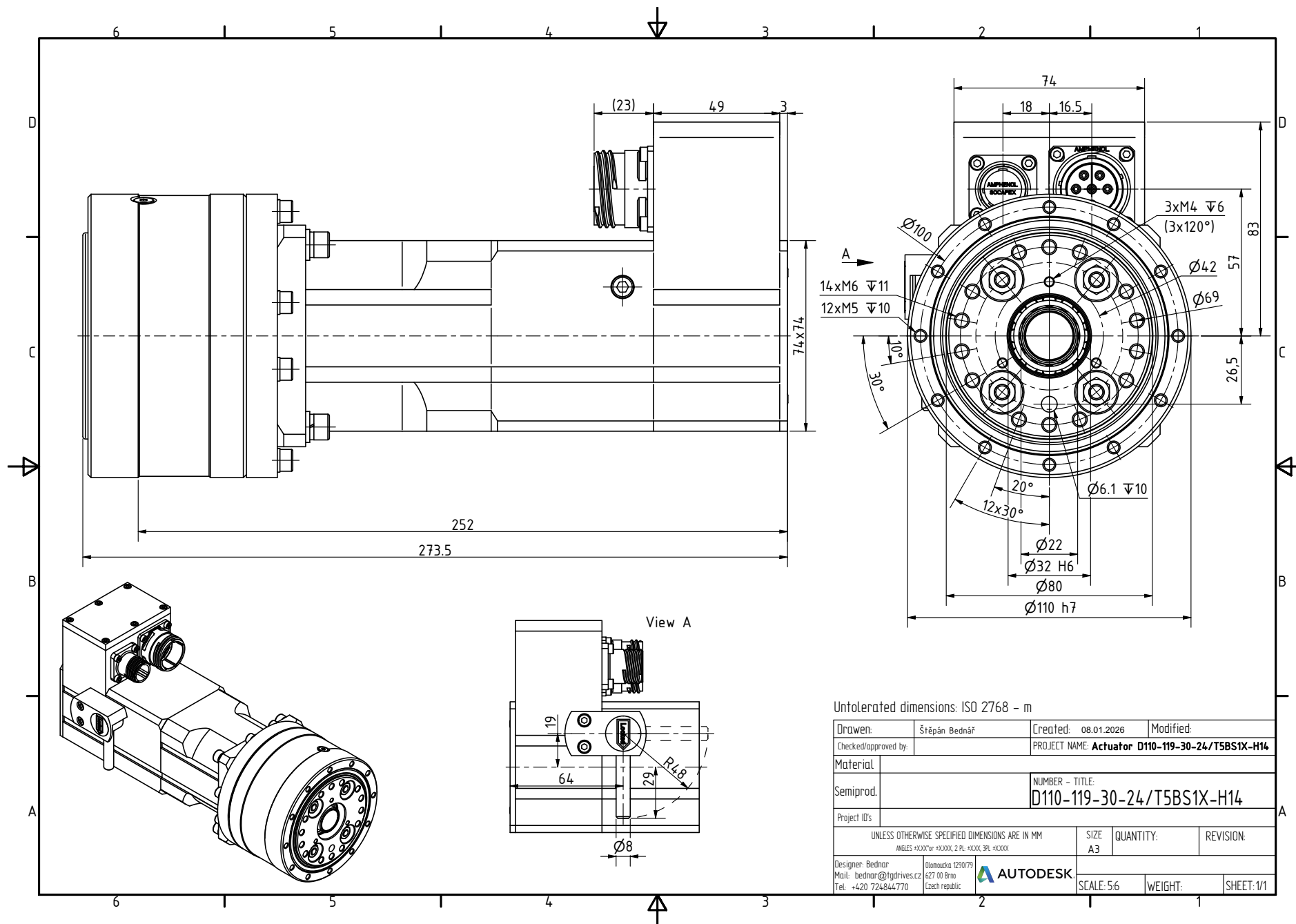


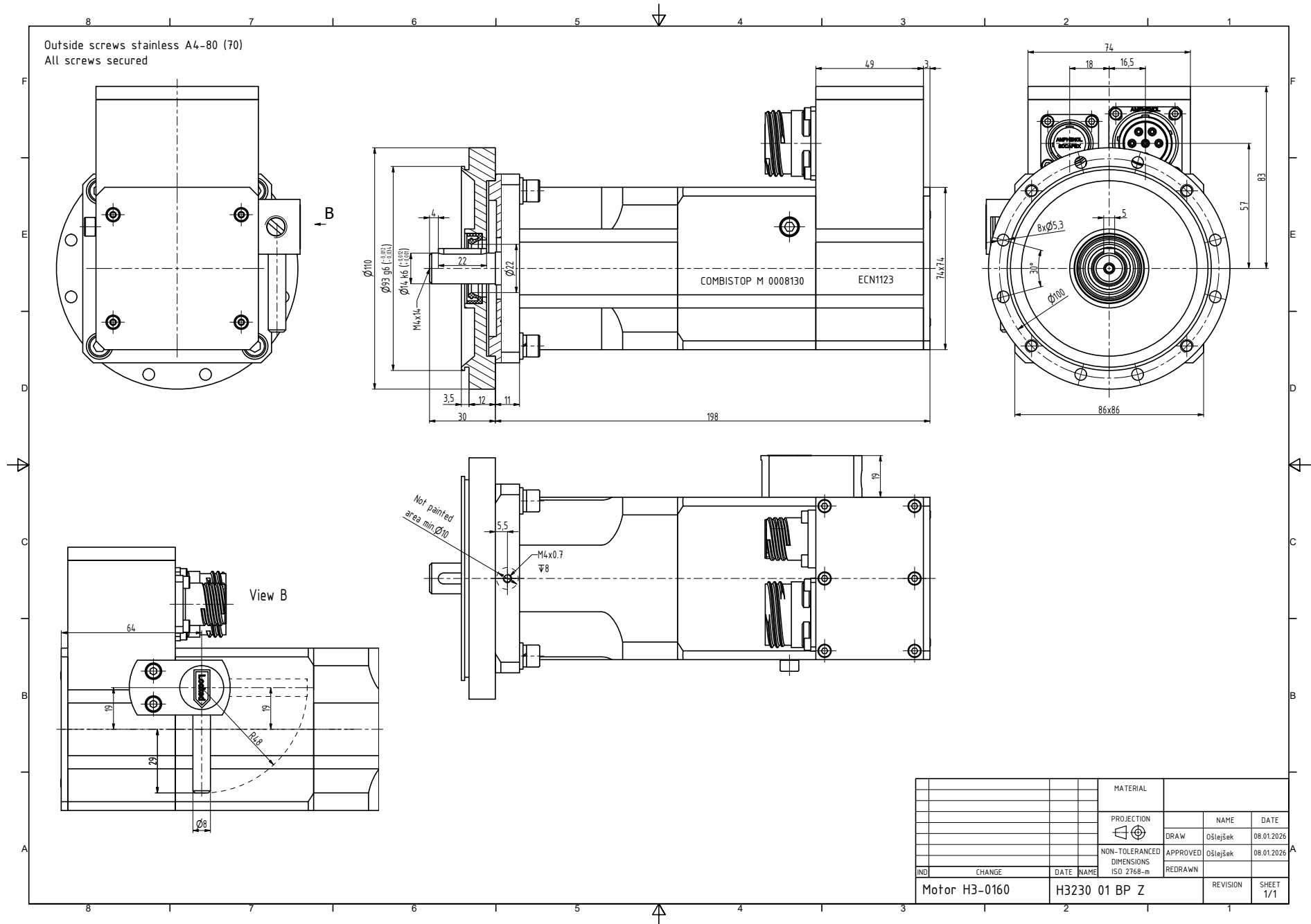
Connector 1 (202)

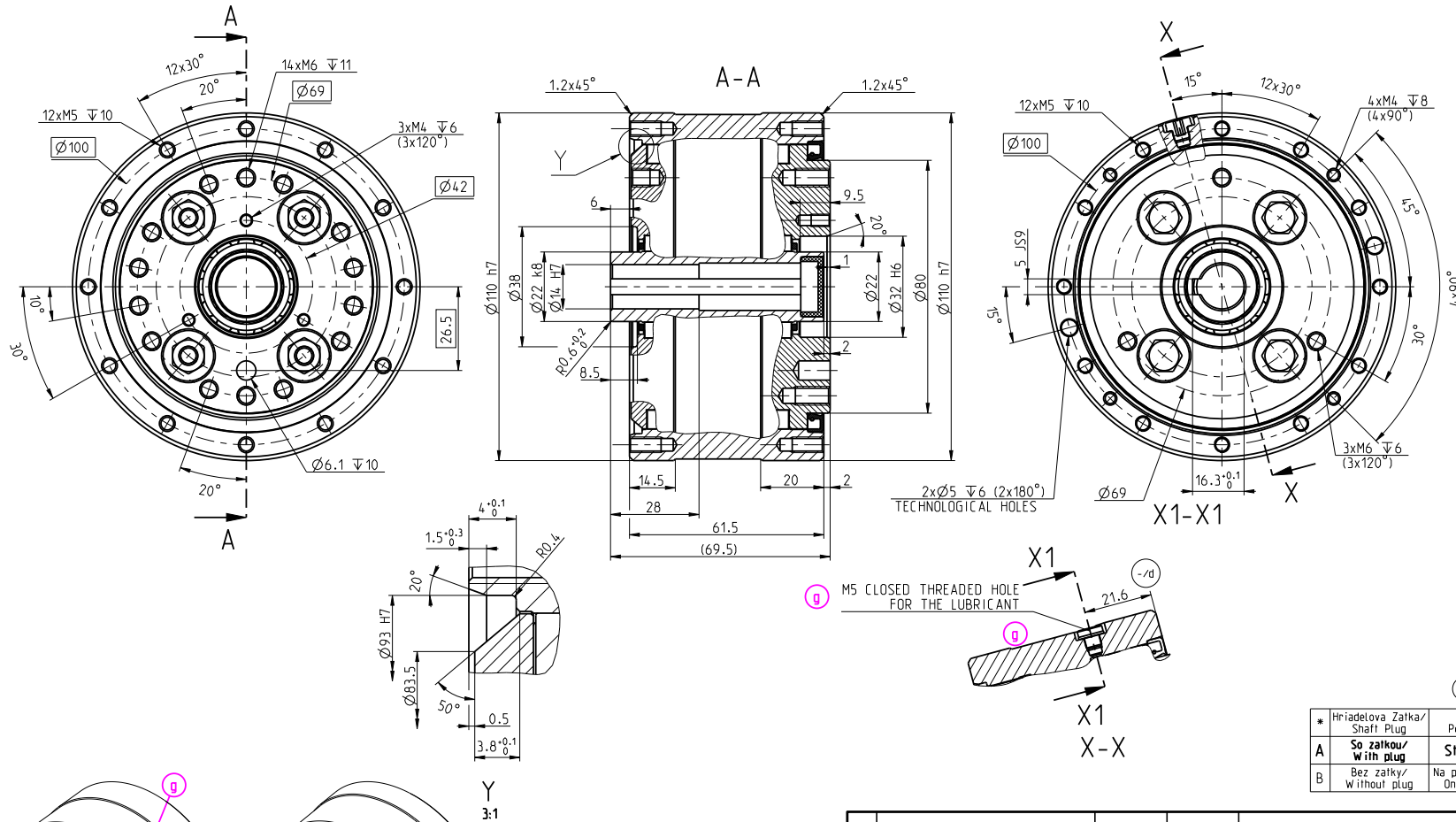
A	U
B	V
C	W
D	PE
E	Bremse +
F	Bremse -

Connector 2 (307)

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







INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.	T.O.		HMOTNOST kg	MĚŘ.	
ROZM.-POLOT.					
ROZM. ZAŘ.			ČSN	TR.Č.	
VYPR.	NORM. REF.		POZN.	Č. KUSOVNÍKU	
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.	
NÁZEV					
D110-119-P14-TB-0140					
			Listů	List	