

Engineering motordata (WIN -100033)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	12 V AC (rms)
Rated power	304 W
Rated speed	2000 rpm
Rated torque	1.45 Nm
Rated current	20.9 A (rms)
Peak torque	4.5 Nm
Peak current	66.49 A (rms)
Stall torque	1.5 Nm
Stall current	18.66 A (rms)
No load speed	3460 rpm
EMF constant ±10%	4.9 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.08 Nm / A (rms)
Torque constant ±10% @ rated load	0.07 Nm / A (rms)
Number of poles	10
Electrical time constant	1.39 ms
Winding terminal resistance	0.115 Ω
Rotary field terminal inductance	0.16 mH

Customs info

HS Code	85015100
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Mechanical motor data (setting 74)

Max mechanical speed	12000 rpm
Mech. time constant	1.67 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

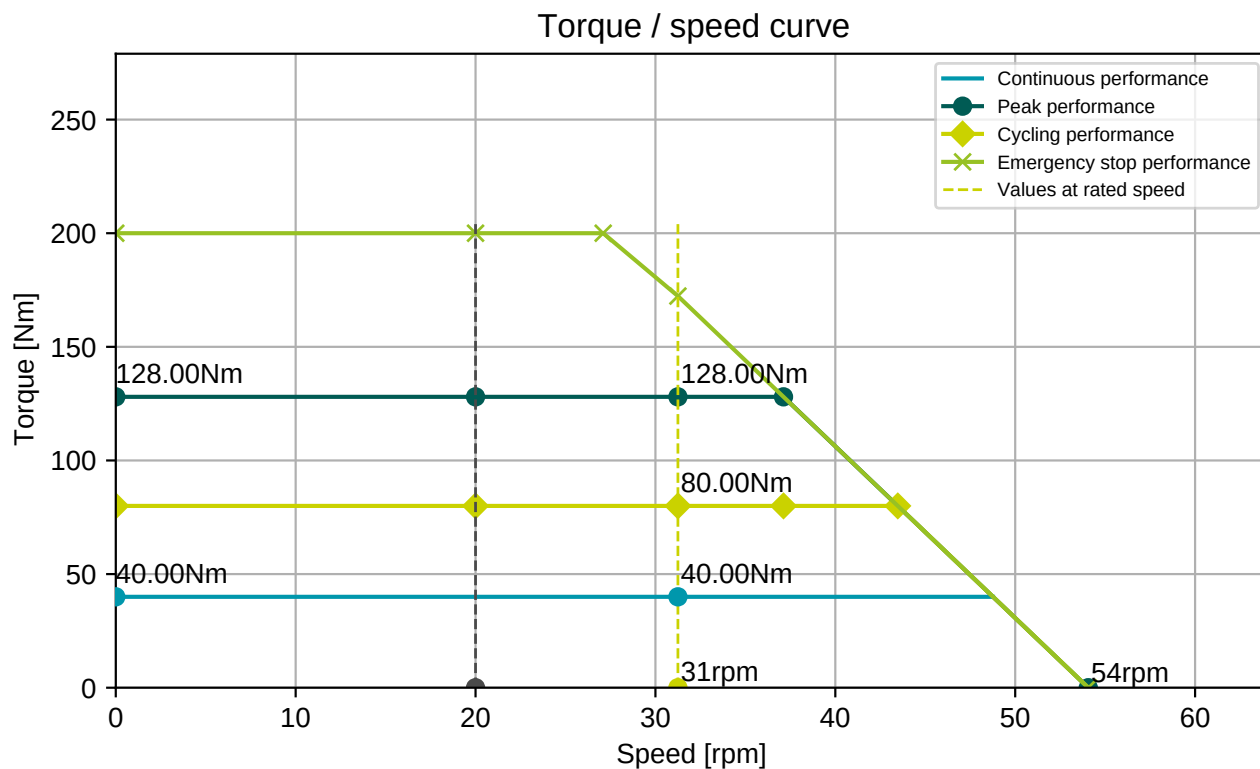
Sensors

Temperature	PT1000 {PT1000}
Feedback	AD36/1219Ax.xxBEx (Hengstler) multi-turn, 19+12 bits, BISS-C, 5V

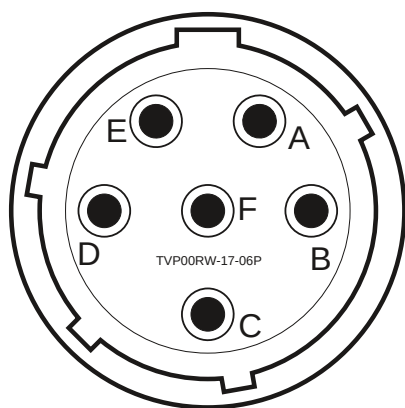
Brake

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	64	Radial force for 20'000h	3950 N
Efficiency	88 %*	Axial force for 20'000h	5450 N
Torsional stiffness	26.8 Nm/arcmin	Output shaft design	Flange
Number of stages	2	Mass	3.45 kg
Rated output torque	40 Nm	Input inertia	0.215 kgcm ²
Cycling output torque	80 Nm	Protection	IP65
Max output torque	128 Nm	Actuator data	
Emergency output torque	200 Nm	Rated speed	31 rpm
Rated input speed	4500 rpm	Rated torque	40.00 Nm
Max input speed	10000 rpm	Cycling torque	80.00 Nm
Operating temperature	<-40; 90> °C	Peak torque	128.00 Nm
Max. backlash	< 1 arcmin	Emergency stop torque	200.00 Nm
Service life	20000 h	EMF constant ±10%	313.6 V AC (rms) / 1000rpm
* at rated speed & torque		Torque constant ±10% @ rated load	3.91 Nm / A (rms)
Lubrication		Output inertia	3133.4 kgcm ²
Type	Low temperature		
Lubricant	ISOFLEX PDB 38 CX 1000		



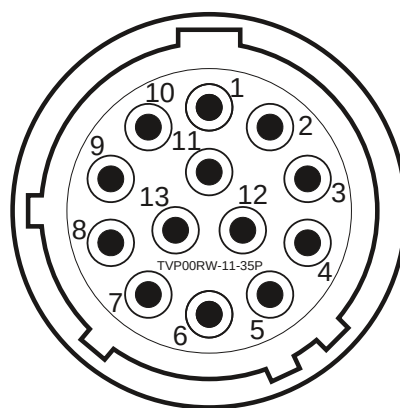
TVP00RW-17-06P



Connector 1 (202)

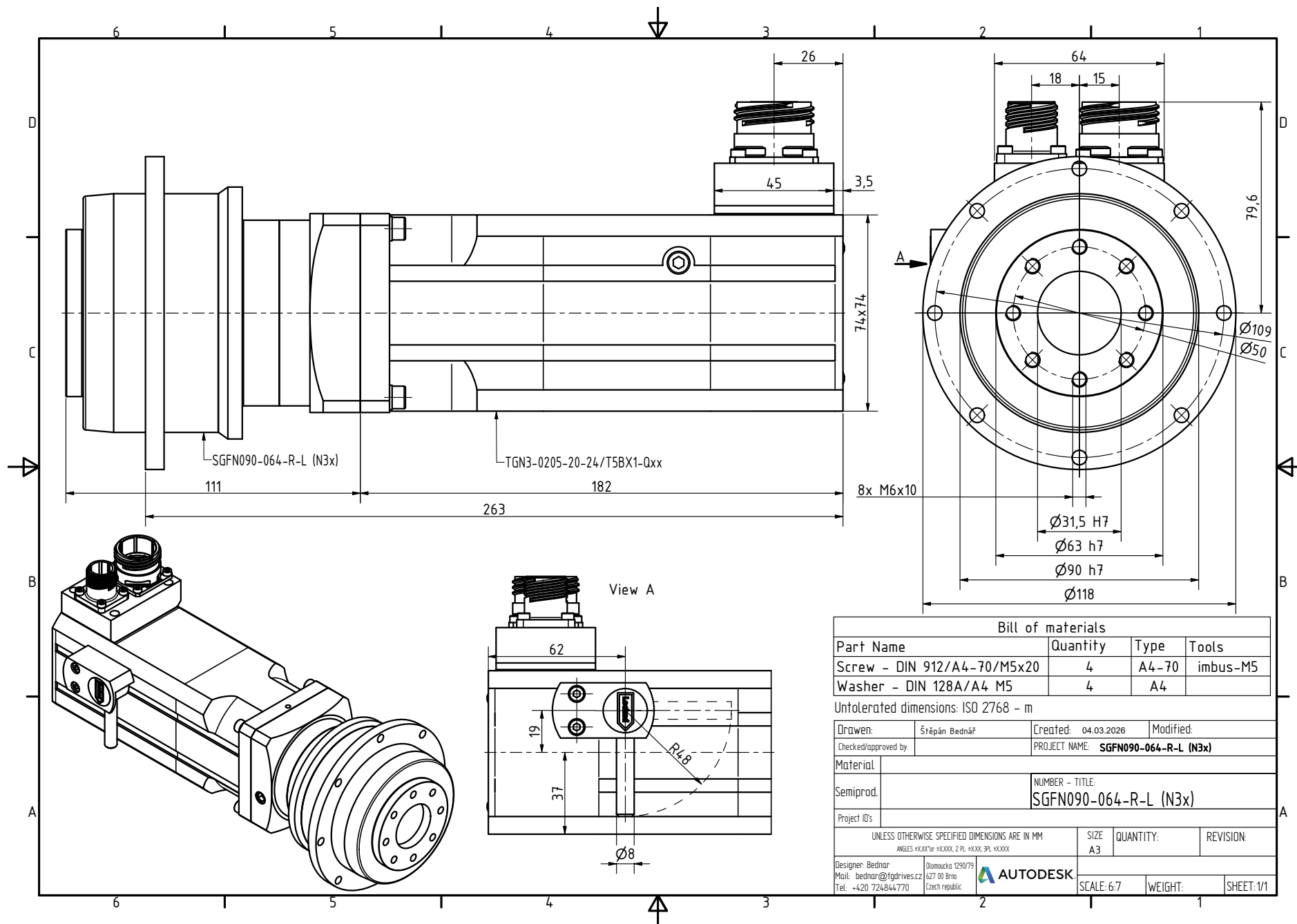
A	U
B	V
C	W
D	PE
E	Bremse +
F	Bremse -

TVP00RW-11-35P



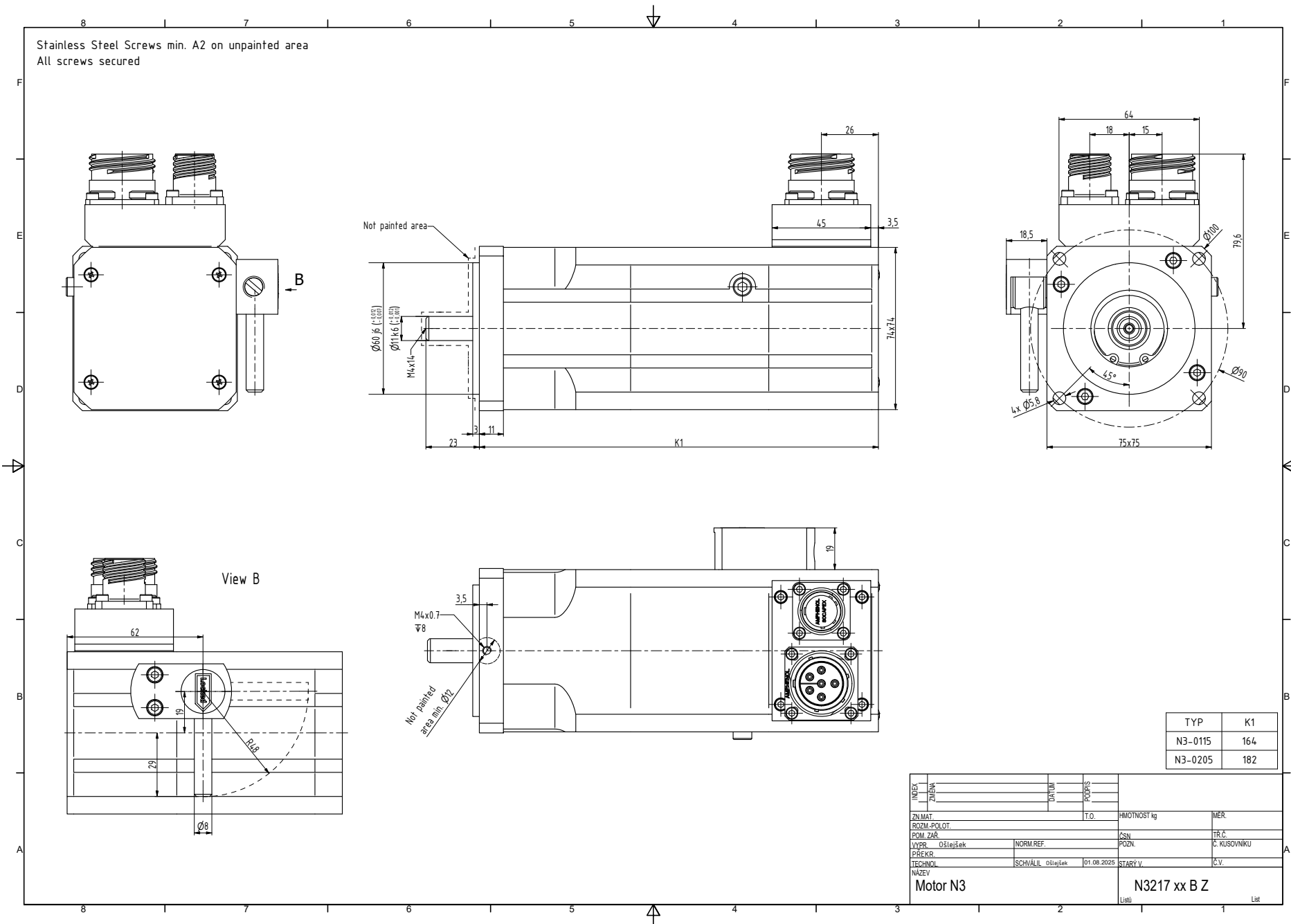
Connector 2 (520)

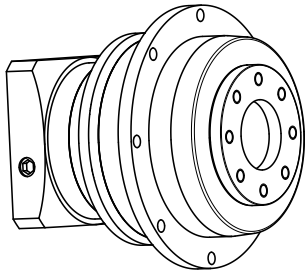
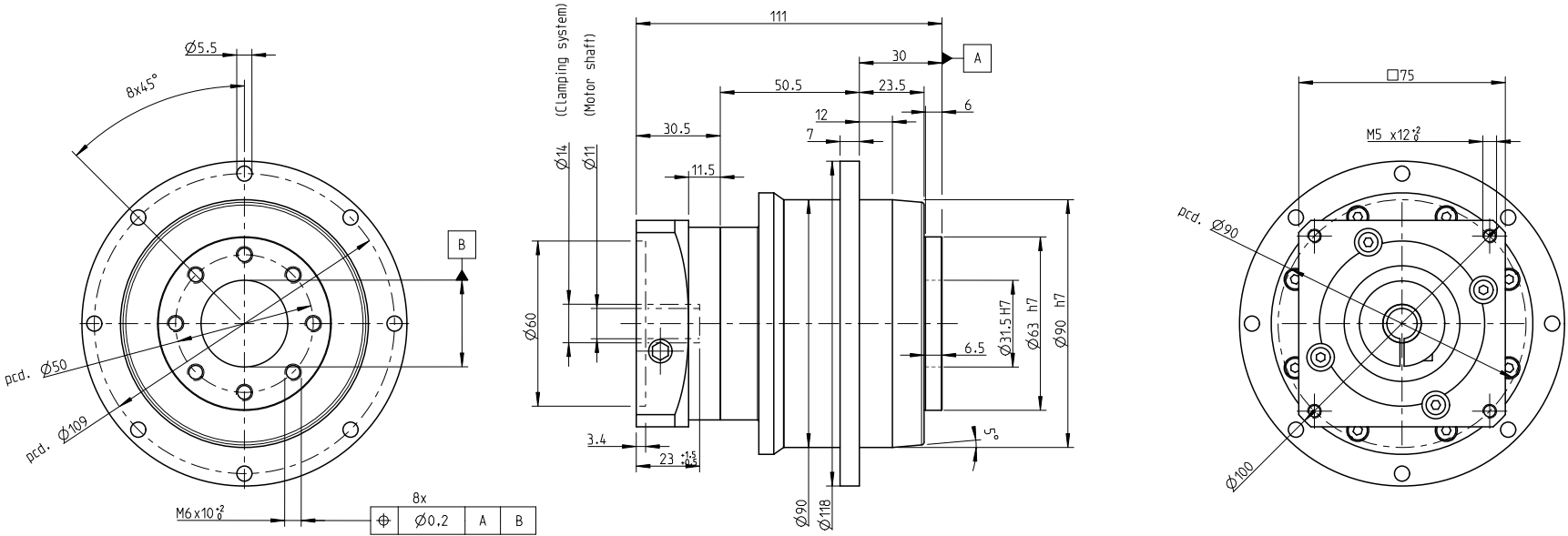
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-



Actuator type
SGFN090-064-R-L-20-24/T5BX1-Qxx

Article no.
PM-8606





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				TGN3, TGH3, TGT3	
Gearbox SGFN090				Listů	List