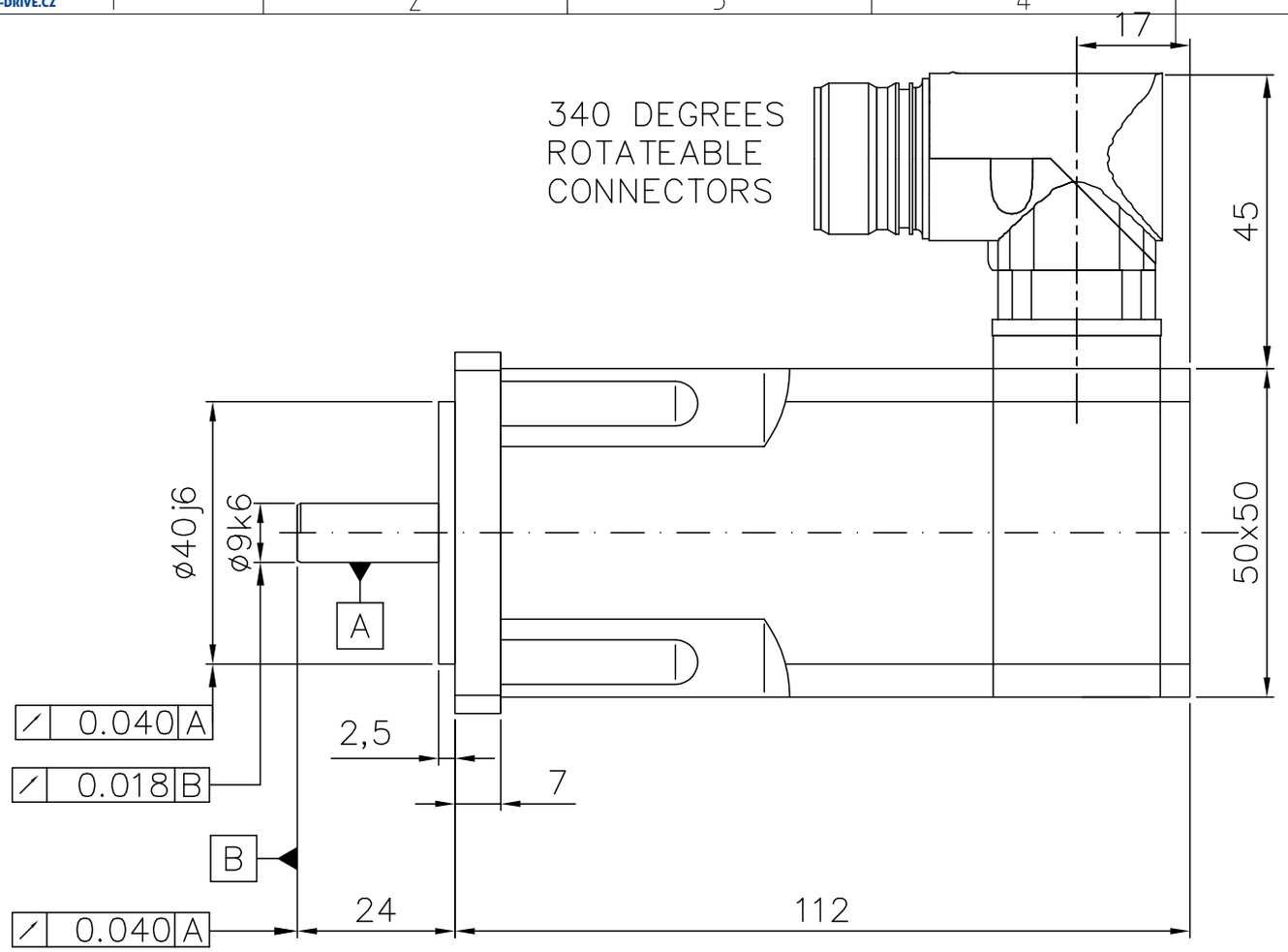
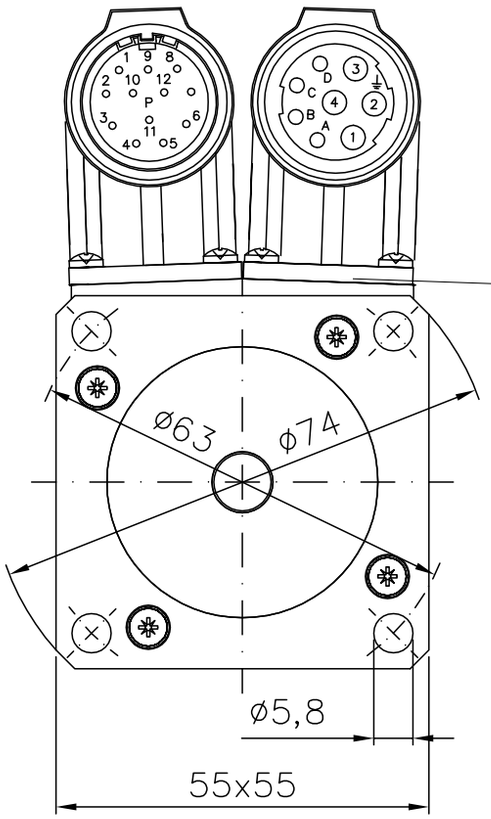
SERVO-DRIVE.CZ

340 DEGREES
ROTATEABLE
CONNECTORS



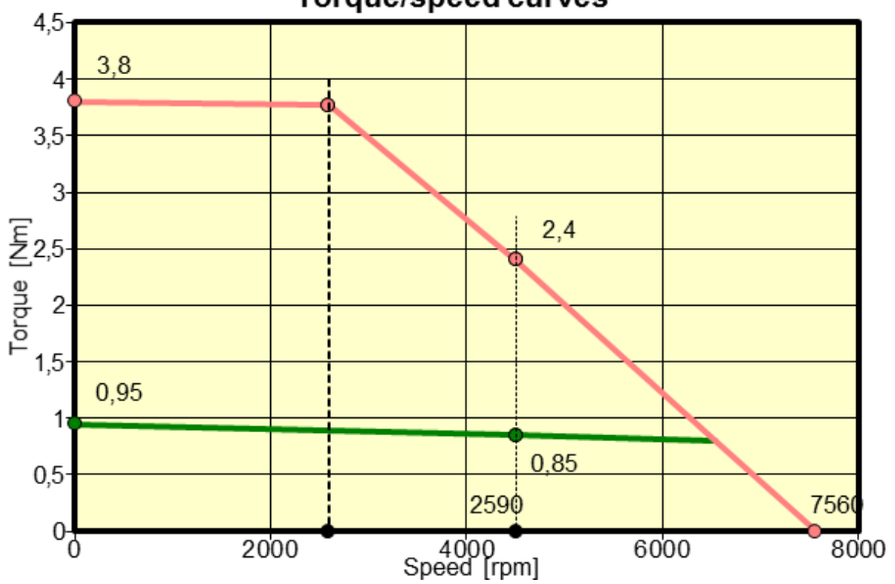


Rated Speed	n_n	4500 min^{-1}
DC Bus Voltage	U_{dc}	560 V
Nominal AC Voltage	U_n	380 V
Rated Motor Voltage	U_m	274 V
Rated Torque	M_n	0.85 Nm
Rated AC Current	I_n	1.07 A
Stall Torque	M_o	0.95 Nm
Stall AC Current	I_o	1.15 A
Peak Torque	M_{max}	3.8 Nm
Peak Current	I_{max}	5.3 A
Max. Speed	n_{max}	12000 min^{-1}
EMF Constant	K_E	50.0 V/1000
Torque Constant	K_T	0.83 Nm/A
Terminal Resistance	R_{2ph}	33.6 Ω
Terminal Inductance	L_{2ph}	48.5 mH
Number of poles	2p	6

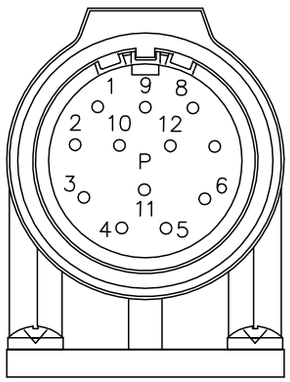
No Load Speed	n_o	7560 min^{-1}
Torque at I_{max}/U_n	M_z	3.8 Nm
Speed at I_{max}/U_n	n_z	2590 min^{-1}
Max. Torque at n_n	M_x	2.4 Nm

El. Time Constant	T_{el}	1.4 ms
Mech. Time Constant	T_{mech}	0.93 ms
Thermal Time Constant	T_{th}	18.0 min
Rotor Inertia	J	0.11 kgcm2

Torque/speed curves

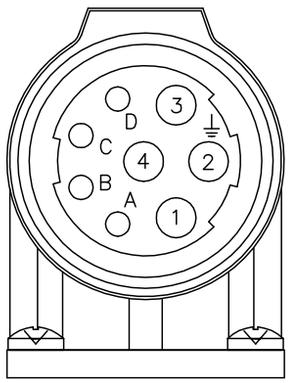


PINOUT : P-0004



RESOLVER
4 S1 sin+ (red)
8 S3 sin− (black)
3 S4 cos+ (blue)
7 S2 cos− (yellow)
5 R2 ref+ (bl/wh)
9 R1 ref− (rd/wh)
2 Thermo +
6 Thermo −

signal 12 pole elbow connector, view from the pins side to the elbow connector
P/N: A EW D 052 MR83 00 0014 000



POWER
1 U (white)
4 V (blue)
3 W (red)
2 GND (gn/ye)
C Brake+ (red)
D Brake− (blue)

elbow 8 pole connector
P/N: B EW D 089 MR13 00 0007 000
max. continuous current 20 Amps

Version	Änderung / Modification Description

Dwg. No. **V36474**

SMN2−0096−45−
−560−T4−S4

Die oben genannten Bemaßungen sind Richtwerte.
Alle Abmessungen in mm / All dimensions in mm

Date : 14.10.2024
Author : P. UHER

Version : 1.0
Update : xx.xx.xx