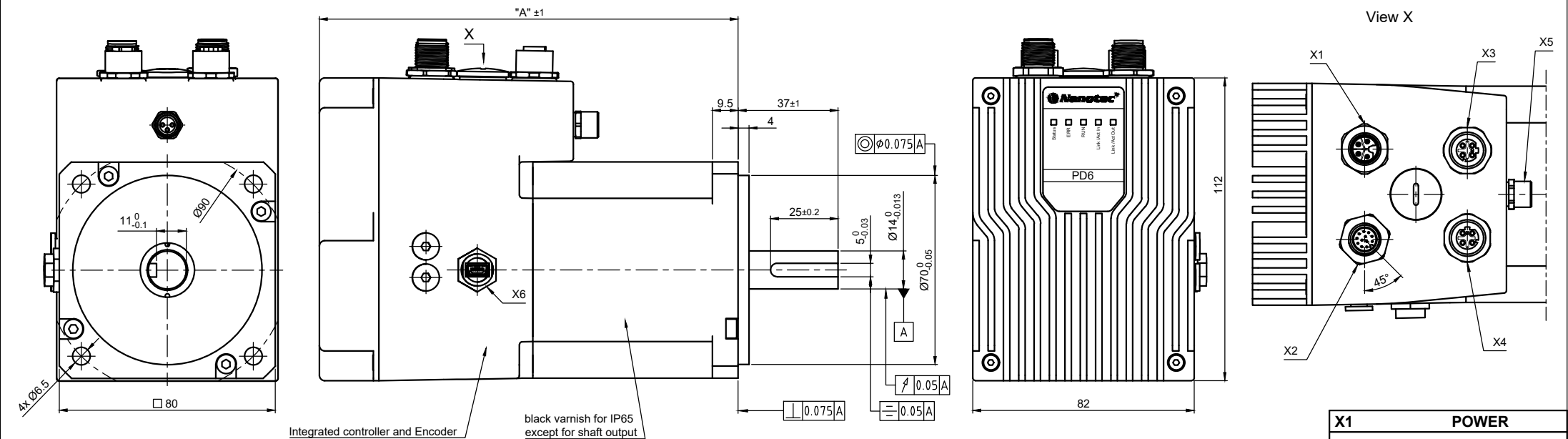
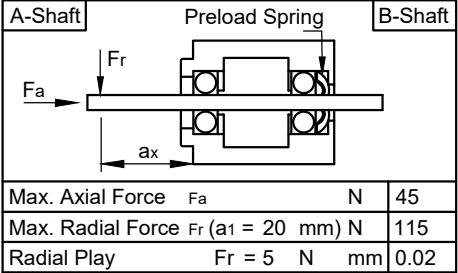
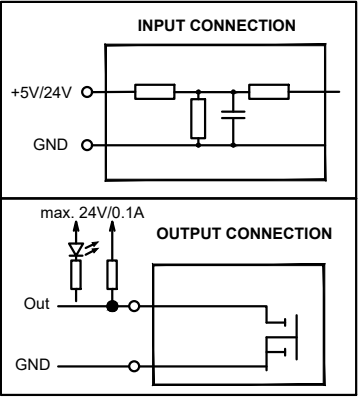




MOTOR SPECIFICATION								
PD6-EB80xx-x-65-1	SD-M	SD-E	MD-M	MD-E	LD-M	LD-E	CD-M	CD-E
Motor Length "A"	mm	134	155	170	190			
No. of Poles				8				
Rated Voltage	V DC			48				
Min. Operating Voltage	V DC			12				
Max. Operating Voltage	V DC			57.6				
Current - Rated / Peak	A	6.9 / 20	14 / 40	18.75 / 65	25 / 75			
Torque - Rated / Peak	Nm	0.9 / 2.5	1.7 / 5	2.25 / 6.5	3 / 9			
Torque Constant	Nm/A	0.13	0.12	0.12	0.12			
Power Rated	W	283	534	706	940			
Speed - No Load / Rated ±10%	rpm	4100 / 3000	4250 / 3000	4300 / 3000	4250 / 3000			
Rotor Inertia	kg m²	54.4 x10 ⁻⁶	102 x10 ⁻⁶	136 x10 ⁻⁶	190 x10 ⁻⁶			
Multiturn Encoder Resolution	bit	16	-	16	-	16	-	
Singleturn Encoder Resolution	bit	17	12	17	12	17	12	
Weight	kg	±10% 2.1	±10% 2.8	±10% 3.2	±10% 3.8			

GENERAL MOTOR SPECIFICATION	
Interface	ETHERCAT
Ambient Temperature	°C -10 ... 40
Storage Temperature	°C -10 ... 85
Max. Ambient Humidity (non condensing)	% 85
Protection Class (except shaft outlet)	IP65
Protection Class (shaft outlet)	IP54

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
06	Ä-NR. 2025-0071	Schneid_A	20.11.2025		Date		Name
05	correct tolerance	Schneid_A	13.12.2022	Drawn	28.07.2022	Schneid_A	
04	correct Label	Schneid_A	09.11.2022	Reviewed	02.08.2022	Rehse_P	
03	INFO Label	Schneid_A	12.10.2022	Released	02.08.2022	Rehse_P	
02	correct pos. USB Con.	Schneid_A	06.09.2022				
REV	Rev. Text	Name	Date				



X3	EtherCAT IN
M12/ 4-Pole / D-Coding / female	
cable shield on housing	

X4	EtherCAT OUT
M12/ 4-Pole / D-Coding / female	
Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-
cable shield on housing	

X5	Brake OUT
M8/ 3-Pole / A-Coding / female	
PIN No.	Function
1	Vcc
3	GND
4	n.c.
cable shield on housing	

X6	Mini-USB
----	----------

X1	POWER
M12/ 4-Pole / L-Coding / male	
Pin No.	Function
1	+UB
2	+UB
3	GND
4	GND
cable shield on housing	

X2	IO
M12/ 12-Pole / A-Coding / male	
Pin No.	Function
1	GND
2	Input 1 (+5V/+24V)
3	Input 2 (+5V/+24V)
4	Input 3 (+5V/+24V)
5	Input 4 (+5V/+24V)
6	Input 5 (+5V/+24V)
7	Input 6 (+5V/+24V)
8	Analog Input (0-10V/0-20mA)
9	Output 1 (open drain)
10	Output 2 (open drain)
11	+5V Voltage Supply (max. 100mA)
12	+UB Logic (24V)
cable shield on housing	

PD6-EB80xD-x-65-1	
20001579	A4 Page 1
State: Released	Rev: 06
CONFIDENTIAL	