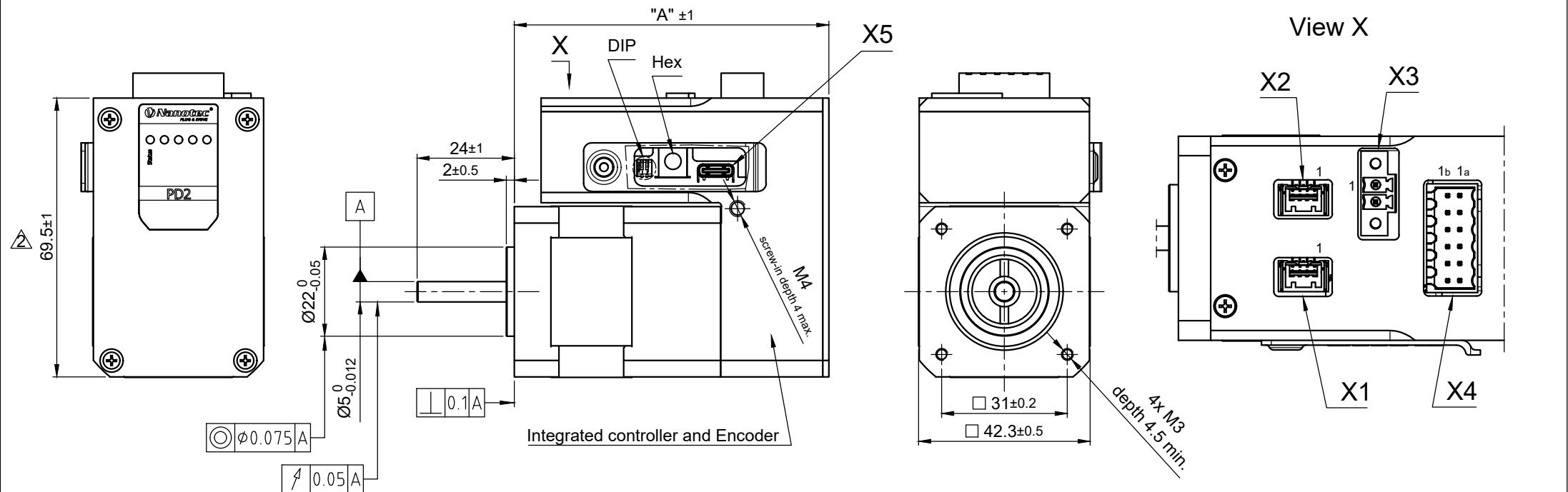
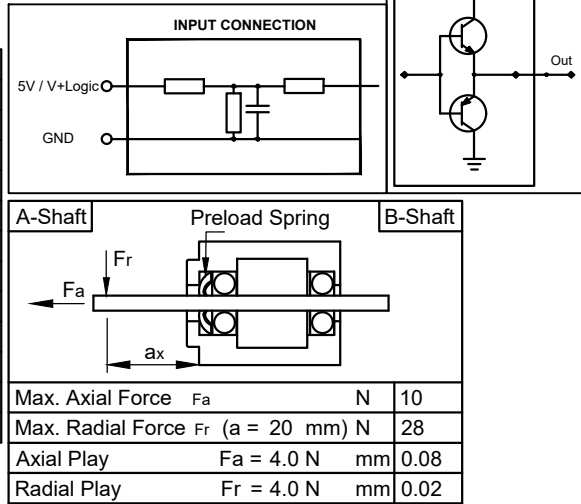




MOTOR SPECIFICATION						
PD2-E421x-x-30-2	M-E	M-M	L-E	L-M	D-E	D-M
Motor Length "A"	74.7	81.7	86.2	93.2	92.5	99.5
Operating Voltage -5%/+20%	12 ... 48					
Current per Winding	1.8		1.8		1.8	
Resistance per Phase (20°C) ±15%	1.1		1.75		3.0	
Inductance per Phase (1kHz) ±20%	1.85		3.3		7.0	
Step Angle ±5%	1.8		1.8		1.8	
Holding Torque	0.28		0.5		0.8	
Rotor Inertia	5.7 x10 ⁻⁶		8.2 x10 ⁻⁶		10.2x10 ⁻⁶	
Multiturn Encoder Resolution	16		16		16	
Singleturn Encoder Resolution	16		16		16	
Weight ±10%	0.39	0.41	0.49	0.51	0.65	0.67

GENERAL MOTOR SPECIFICATION	
Interface	CANOPEN
Ambient Temperature	°C -10 ... 40
Storage Temperature	°C -20 ... 85
Max. Ambient Humidity (non condensing)	% 85
Insulation Class	B
Insulation Resistance (@500VDC)	MΩ 100
Dielectric Strength (for 1 min - coil to case)	V AC 500
Protection Class (except shaft outlet)	IP30



ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
02	change dimension	Reith_S	07.07.2026
01	change storage temp.	Schneid_A	19.02.2026
REV	Rev. Text	Name	Date

X1 CANopen IN	
MOLEX 5025840470	
Pin No.	Function
1	V+Logic
2	CAN_H
3	CAN_L
4	GND
X2 CANopen OUT	
MOLEX 5025840470	
Pin No.	Function
1	V+
2	GND
X3 Power	
Degson 15EDGVM-3.5-02P	
Pin No.	Function
1	V+
2	GND
X4 IO	
Degson 15EDGVHD-3.5-12P	
Pin No.	Function
a1	GND
a2	V+Logic
a3	Input 1
a4	Input 2
a5	Input 3
a6	Input 4
b1	Analog Input 1
b2	Analog Input 2
b3	Output 1 (push-pull)
b4	Output 2 (push-pull)
b5	Brake -
b6	Brake +
X5 USB	
Type C	

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