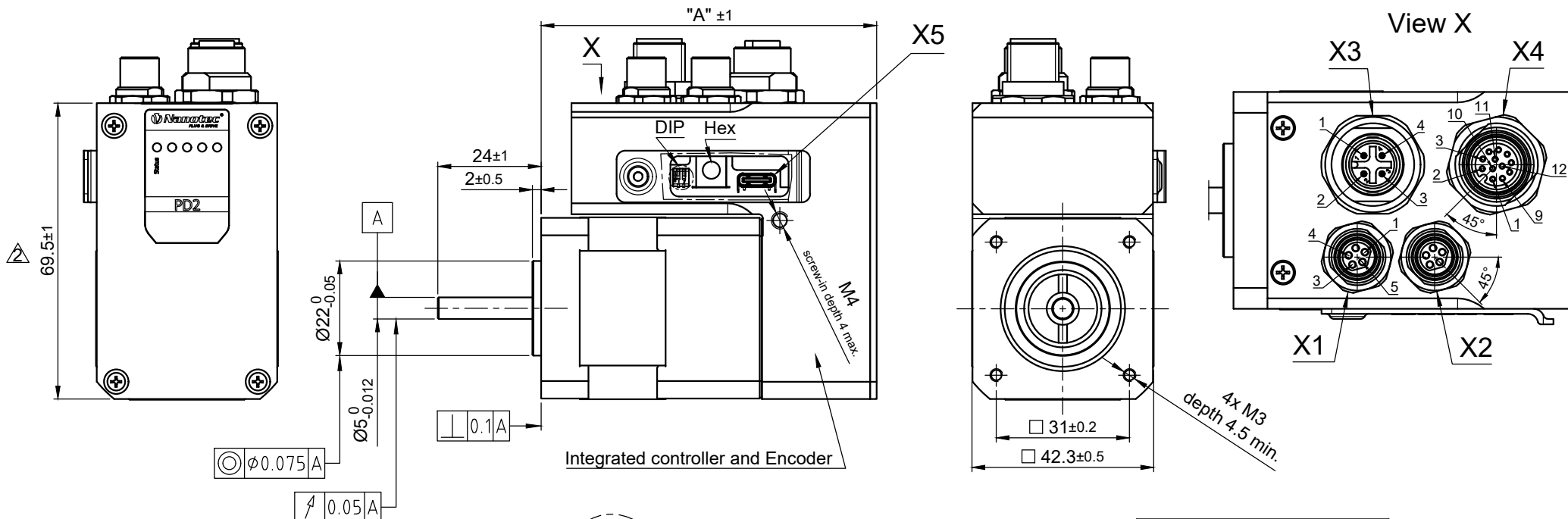




Dip switch

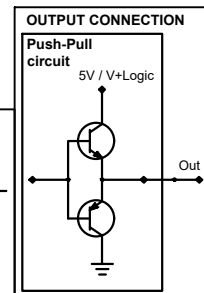
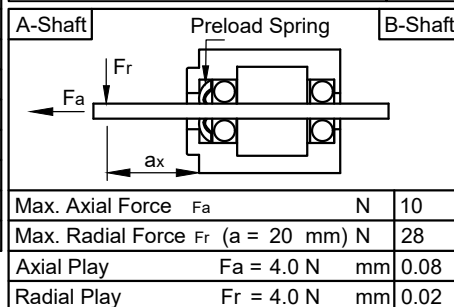
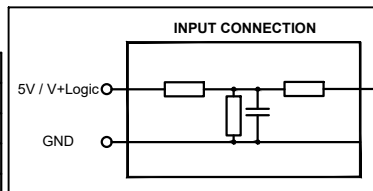
On

MOTOR SPECIFICATION

PD2-E421x-x-65-2	M-E	M-M	L-E	L-M	D-E	D-M
Motor Length "A"	75.5	82.5	87.0	94.0	93.5	100.5
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%	0.42	0.44	0.52	0.54	0.68	0.7

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)	IP65



X1	CANopen IN
M8/ 5-Pole / B-Coding / female	
cable shield on housing	
X2	CANopen OUT
M8/ 5-Pole / B-Coding / female	
Pin No.	Function
1	V+Logic
2	CAN SHLD
3	CAN_H
4	CAN_L
5	GND
cable shield on housing	
X3	POWER
M12 / 4-Pole / A-Coding / male	
Pin No.	Function
1	V+
2	V+
3	GND
4	GND
cable shield on housing	

X4	IO
M12 / 12-Pole / A-Coding / female	
Pin No.	Function
1	GND
2	Input 1
3	Input 2
4	Input 3
5	Input 4
6	Analog Input1
7	Analog Input2
8	Output 1 (push-pull)
9	Output 2 (push-pull)
10	V+Logic
11	Brake +
12	Brake -
cable shield on housing	
X5	USB
Type C	

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



PD2-E421x-x-65-2

20003279

State: Released

Rev: 02

CONFIDENTIAL

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