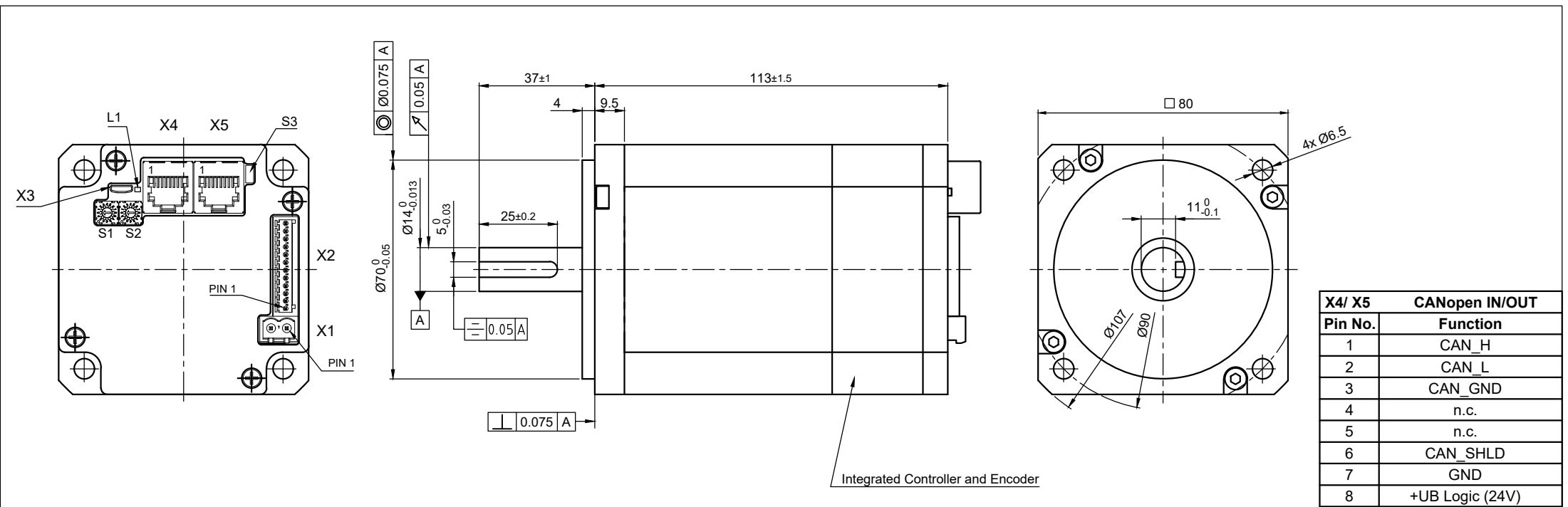




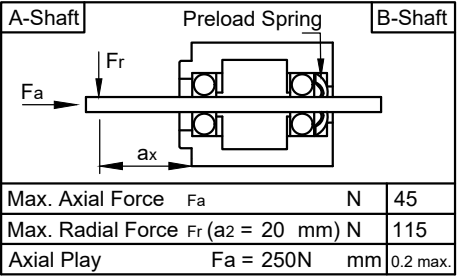
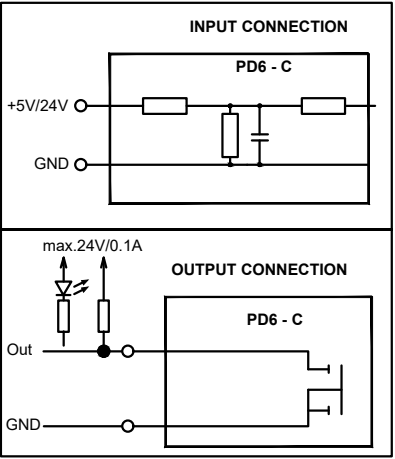
X4/ X5 CANopen IN/OUT	
Pin No.	Function
1	CAN_H
2	CAN_L
3	CAN_GND
4	n.c.
5	n.c.
6	CAN_SHLD
7	GND
8	+UB Logic (24V)

X1 Power Connector	
Pin No.	Function
1	+UB
2	GND

👉 glue the front bearing with Loctite326

MOTOR SPECIFICATION		
No. of Poles	8	
Rated Voltage	V DC	48
Current - Rated / No Load / Peak	A	14 / 0.7 / 40
Resistance Line to Line (20°C) ±15%	Ω	0.1
Inductance Line to Line (1 kHz) ±20%	mH	0.6
Torque - Rated / Peak	Nm	1.7 / 5.0
Torque Constant	Nm/A	0.12
Speed - No Load / Rated	±10% rpm	4250 / 3000
Encoder Resolution	cpr	1024
Encoder Resolution (cpr with quadrature)	ppr	4096
Encoder Signal Type	incremental	
Rotor Inertia	kg m ²	102 x10 ⁻⁶

GENERAL MOTOR SPECIFICATION		
Interface	CANOPEN	
Ambient Temperature	°C	-10 ... 50
Max. Ambient Humidity (non condensing)	%	85
Insulation Class	B	
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500



X2		IO Connector	
Pin No.		Function	
1		+10V VOLTAGE SUPPLY (max. 200 mA)	
2		Input 1 / Enable (+5V/+24V)	-Input 1 / -Enable*
3		Input 2 / Direction (+5V/+24V)	Input 1 / Enable*
4		Input 3 / Clock (+5V/+24V)	-Input 2 / -Direction*
5		Input 4 (+5V/+24V)	Input 2 / Direction*
6		Input 5 (+5V/+24V)	-Input 3 / -Clock*
7		Input 6 (+5V/+24V)	Input 3 / Clock*
8		Analog Input1 (0-10V/0-20mA)	
9		Analog Input2 (0-10V)	
10		Output 1 (open drain)	
11		Output 2 (open drain)	
12		GND	
*configured as differential input			
X3		Micro-USB	

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
					Date		Name
					Drawn	25.09.2024	Schneid_A
					Reviewed	25.09.2024	Rehse_P
					Released	25.09.2024	Schneid_A
01	Ä 2024-0060, weight	Rehse_P	26.09.2024				
REV	Rev. Text	Name	Date				



Replacement for drawing from 03.11.2015		Weight: ±10% 2.1 kg	
PD6-CB80M048030-E-09-CYL		1	
20002628			
		A4 Page 1	
State: Released	Rev: 01	CONFIDENTIAL	