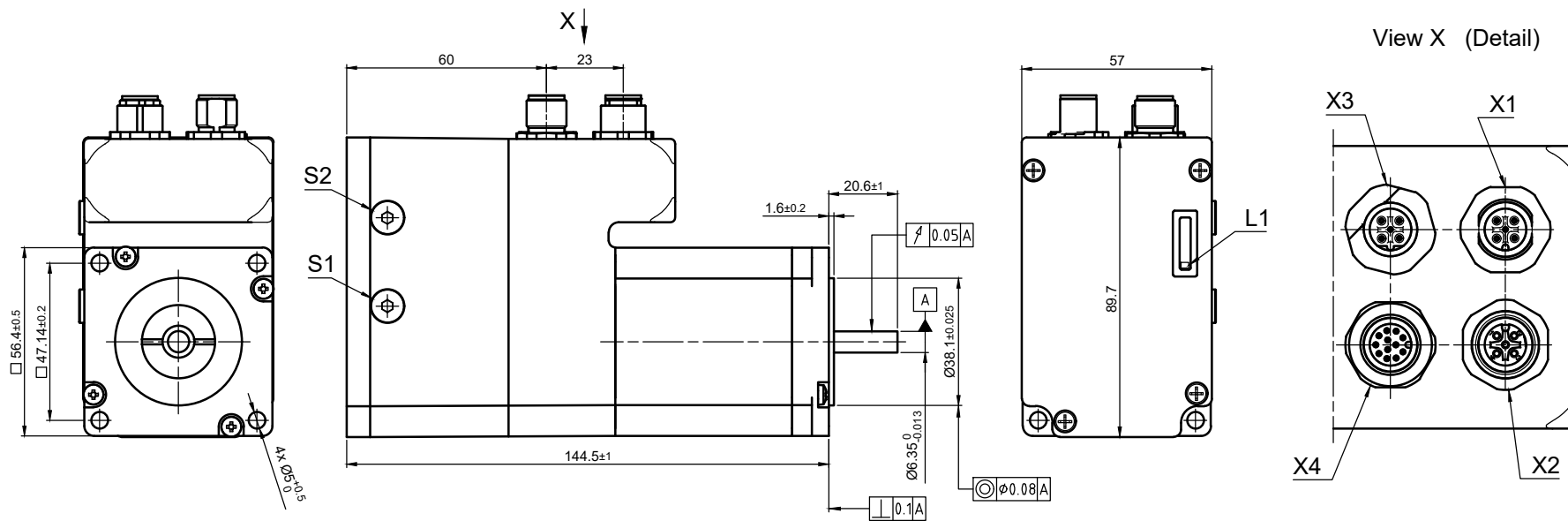


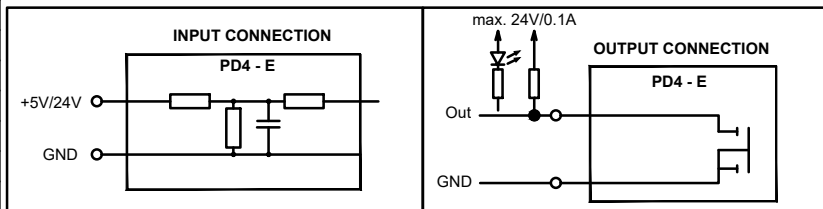


X1 CANopen IN	
M12/ 5-Pole / A-Coding / male	
X2 CANopen OUT	
M12/ 5-Pole / A-Coding / female	
Pin No.	Function
1	CAN_SHLD
2	+UB Logic (24V)
3	GND
4	CAN+
5	CAN-

X3 POWER	
M12 / 5-Pole / B-Coding / male	
Pin No.	Function
1	+UB
2	+UB
3	GND
4	GND
5	N.C.

X4 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)

MOTOR SPECIFICATION		
Min. Operating Voltage	V DC	24
Max. Operating Voltage	V DC	48
Current per Winding	A	4.2
Holding Torque	Nm	1.87
Step Angle	°	1.8 ±5%
Rotor Inertia	kg m ²	54.7 x10 ⁻⁶
Singleturn Encoder Resolution	bit	12
Brake Power Consumption	W	11
Static Brake Torque	Nm	2



A-Shaft	Preload Spring	B-Shaft
Fr		
Fa		
ax		
Max. Axial Force Fa	N	15
Max. Radial Force Fr (a1 = 20 mm)	N	52
Axial Play	Fa = 200N	mm 0.2
Radial Play	Fr = 4.5 N	mm 0.02

GENERAL MOTOR SPECIFICATION		
Interface	CANOPEN	
Ambient Temperature	°C	Min. -10 Max. 40
Switch-off Temperature	°C	75
Max. Ambient Humidity (non condensing)	%	85
Insulation Class	B	
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500
Protection Class (except shaft outlet)	IP65	

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
01	change weight, rot.inert.	Schneid_A		27.01.2021			
REV	Rev. Text	Name		Date			

			Weight: ~1.7 kg
PD4-E591L42-EB-65-2-CYL 			
08200001			A4 Page 1
State: Released	Rev: 01	CONFIDENTIAL	