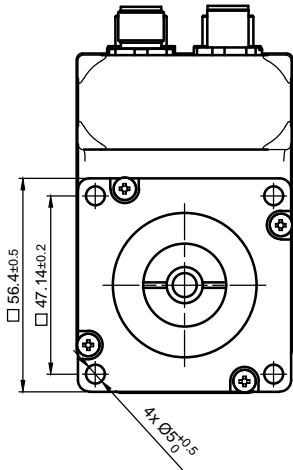
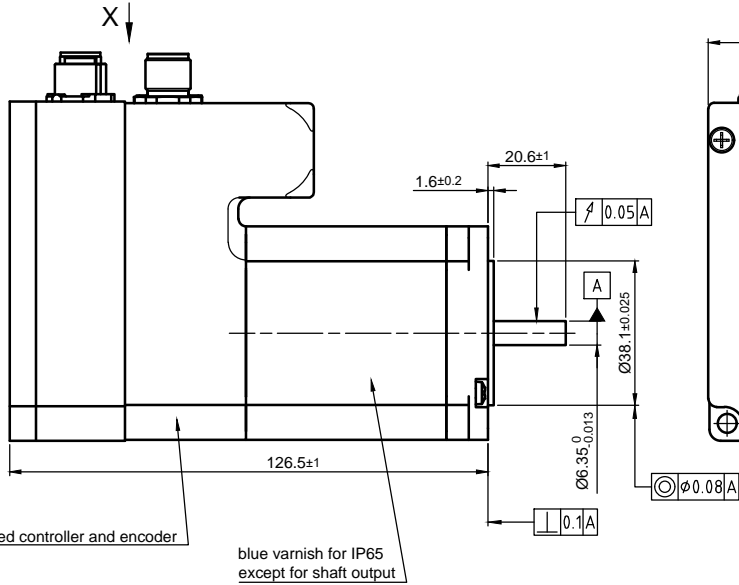


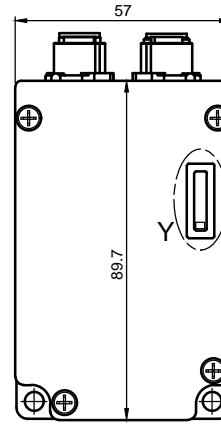
Front view and mounting



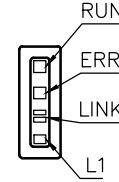
Side view



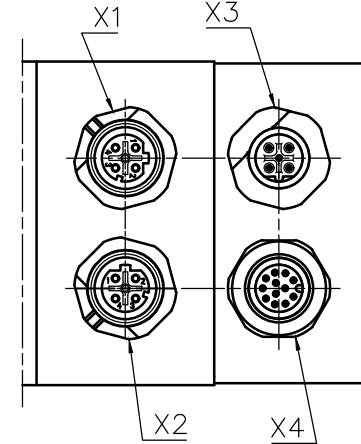
Rear view



Detail Y



View X (Detail)



X1	EtherCAT IN
	M12/ 4-Pole / D-Coding / female

X2	EtherCAT OUT
	M12/ 4-Pole / D-Coding / female

Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-

X3	POWER
	M12/ 5-Pole / B-Coding / male

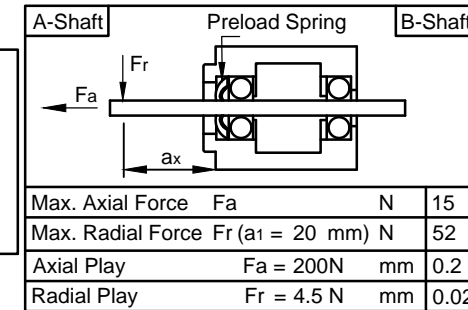
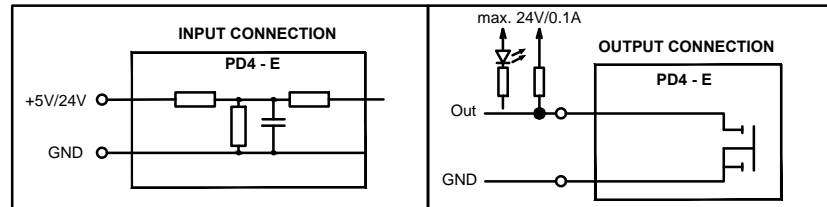
Pin No.	Function
1	+UB (12-48V)
2	+UB (12-48V)
3	GND
4	GND
5	N.C.

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	12
Max. Operating Voltage	V DC	48
Current per Winding	A	4.2
Holding Torque	Nm	1.87
Step Angle	±5°	1.8
Rotor Inertia	kg m ²	48 x 10 ⁻⁶
Singleturn Encoder Resolution	bit	12
Multiturn Encoder Resolution	bit	18



GENERAL MOTOR SPECIFICATION

Interface	ETHERCAT		
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 2768-1 cK	ISO 13715
		Date	Name
		Drawn	Import
		Checked	Wang_X
		Approved	Wang_X
REV	Rev. Text	Name	Rel. Date

PD4-E591L42-M-65-1		Weight: 1.4 kg
07000071		-
State: Released		A4-Q
Rev: -.C		P

