

**X1 Modbus TCP**

**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**

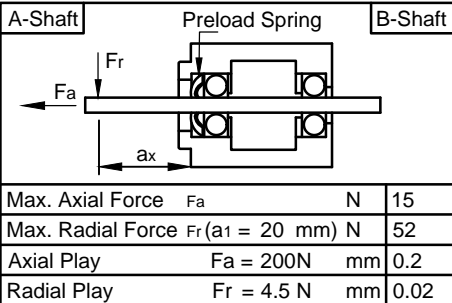
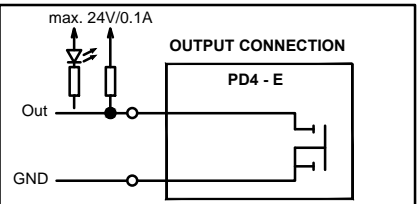
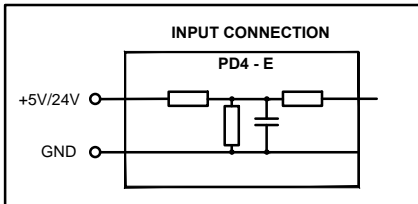
Pin No.	Function
1	+UB (12-48V)
2	+UB (12-48V)
3	GND
4	GND
5	N.C.

**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 <sup>2</sup> 48 x10 <sup>-6</sup>
Singleturn Encoder Resolution	bit 12



GENERAL MOTOR SPECIFICATION	
Interface	MODBUS TCP
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 04.12.2017	Import
		Checked ####	####
		Approved 04.04.2018	Wang_X
REV	Rev. Text	Name	Rel. Date

Weight: 1.3 kg	
<b>PD4-E591L42-E-65-4</b>	
07000068	
State: Released	Rev: - P

