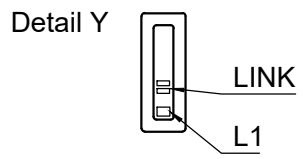


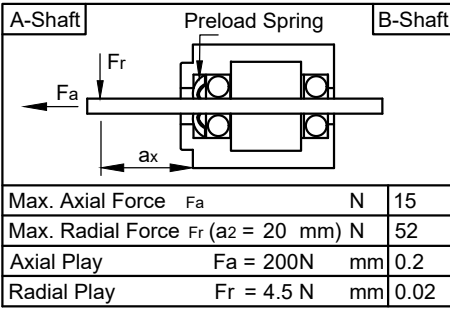
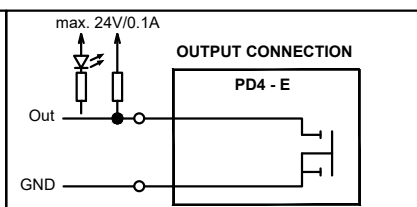
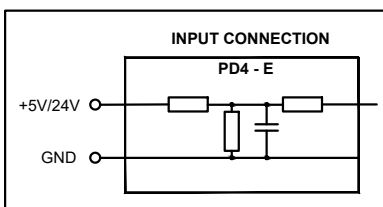
Integrated controller and Encoder

blue varnish for IP65
except for shaft output



X1 Modbus TCP IN	
M12/ 4-Pole / D-Coding / female	
X2 Modbus TCP 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 x10 ⁻⁶
Singleturn Encoder Resolution	bit 12



GENERAL MOTOR SPECIFICATION	
Interface	MODBUS TCP
Ambient Temperature	°C -10 ... 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
			Date
			Name
			Drawn 22.02.2022
			Name
			Reviewed 18.03.2022
			Name
			Released 18.03.2022
			Name
REV	Rev. Text	Name	Date

Weight: ~1.3 kg

PD4-E591L42-E-65-4A

20001388

State: Released Rev: 00 CONFIDENTIAL

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