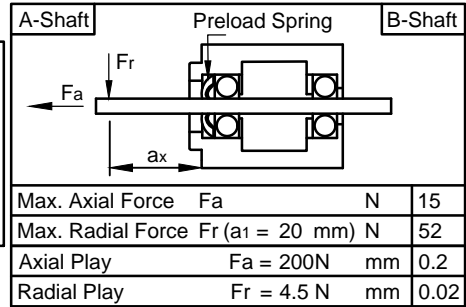
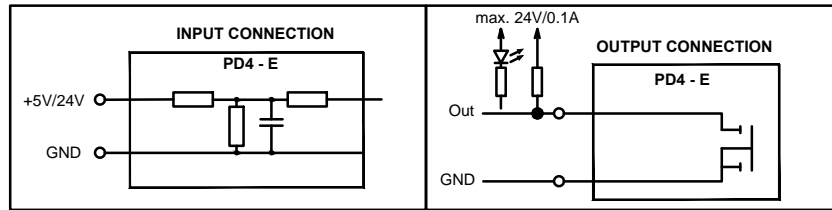


Integrated controller and encoder  
 blue varnish for IP65 except for shaft output

<b>X1</b>		<b>CANopen IN</b>	
		M12/ 5-Pole / A-Coding / male	
<b>X2</b>		<b>CANopen OUT</b>	
		M12/ 5-Pole / A-Coding / female	
Pin No.		Function	
1		CAN_SHLD	
2		+UB Logic (24V)	
3		GND	
4		CAN+	
5		CAN-	
<b>X3</b>		<b>POWER</b>	
		M12 / 5-Pole / B-Coding / male	
Pin No.		Function	
1		+UB (12-48V)	
2		+UB (12-48V)	
3		GND	
4		GND	
5		N.C.	
<b>X4</b>		<b>IO</b>	
		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
Multiturn Encoder Resolution	bit 18



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 2768-1 cK	ISO 13715
REV	Rev. Text	Name	Rel. Date

Weight: 1.4 kg												
<table border="1"> <tr> <td>Drawn</td> <td>04.12.2017</td> <td>Name</td> <td>Import</td> </tr> <tr> <td>Checked</td> <td>11.01.2018</td> <td>Wang_X</td> <td></td> </tr> <tr> <td>Approved</td> <td>11.01.2018</td> <td>Wang_X</td> <td></td> </tr> </table>	Drawn	04.12.2017	Name	Import	Checked	11.01.2018	Wang_X		Approved	11.01.2018	Wang_X	
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Checked	11.01.2018	Wang_X										
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<table border="1"> <tr> <td colspan="2">PD4-E591L42-M-65-2</td> </tr> <tr> <td>07000072</td> <td>-</td> </tr> <tr> <td>State: Released</td> <td>Rev: -.B</td> </tr> </table>	PD4-E591L42-M-65-2		07000072	-	State: Released	Rev: -.B						
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07000072	-											
State: Released	Rev: -.B											