

X1	
CANopen IN	
M12/ 5-Pole / A-Coding / male	

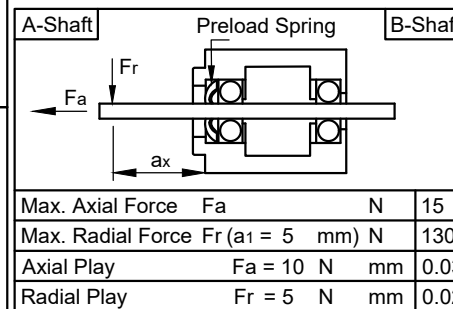
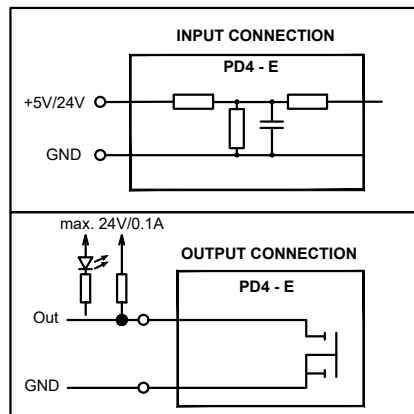
X2	
CANopen OUT	
M12/ 5-Pole / A-Coding / female	
Pin No.	Function
1	CAN_SHLD
2	+UB Logic (24V)
3	GND
4	CAN+
5	CAN-

X3	
POWER	
M12 / 5-Pole / B-Coding / male	
Pin No.	Function
1	+UB (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	
No. of Poles	6
Rated Voltage	V DC 48
Operating Voltage - Min. / Max.	V DC 12 / 48
Current - Rated / Peak	A 6 / 18
Torque - Rated / Peak	Nm 0.6 / 1.8
Torque Constant	Nm/A 0.1
Power - Rated / Peak	W 220 / 660
Speed - No Load / Rated	±10% rpm 4500 / 3500
Singleturn Encoder Resolution	bit 17
Multiturn Encoder Resolution	bit 16
Rotor Inertia	kg m <sup>2</sup> 17.3 x10 <sup>-6</sup>

GENERAL MOTOR SPECIFICATION		
Interface	CANOPEN	
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	Weight: ~1.5 kg
			Date	<div style="text-align: center; font-size: 24px; font-weight: bold;">PD4-EB59CD-M-65-2A</div>
			Drawn	
			Reviewed	
			Released	
REV	Rev. Text	Name	Date	<div style="text-align: center; font-size: 24px; font-weight: bold;">20001583</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">A4 Page 1</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">Nanotec</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">20001583</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">State: Released</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">Rev: 00</div>
				<div style="text-align: center; font-size: 24px; font-weight: bold;">CONFIDENTIAL</div>