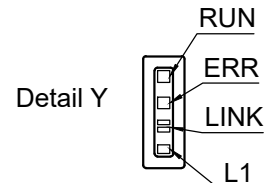


X1	EtherCAT IN
	M12 / 4-Pole / D-Coding / female

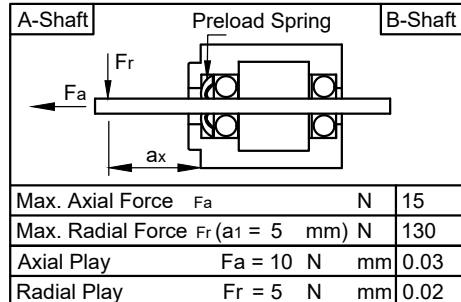
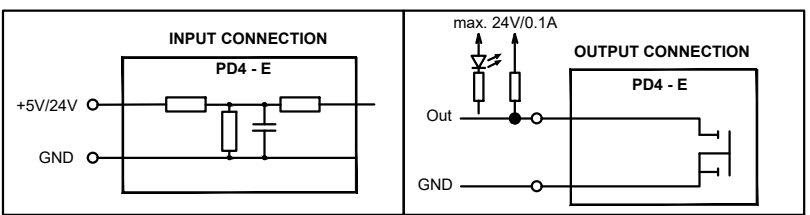
X2	EtherCAT OUT
	M12 / 4-Pole / D-Coding / female
Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-
cable shield on housing	

X3	POWER
	M12 / 5-Pole / B-Coding / male
Pin No.	Function
1	+UB
2	+UB
3	GND
4	GND
5	n.c.
cable shield on housing	

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)
cable shield on housing	



MOTOR SPECIFICATION	
No. of Poles	6
Rated Voltage	V DC 48
Operating Voltage - Min. / Max.	V DC 24 / 48
Current - Rated / Peak	A 6 / 18
Torque - Rated / Peak	Nm 0.6 / 1.8
Torque Constant	Nm/A 0.1
Power - Rated	W 220
Speed - No Load / Rated	±10% rpm 4500 / 3500
Operating Voltage Encoder	V DC 5
Encoder Resolution	cpr 1024
Encoder Resolution (cpr with quadrature)	ppr 4096
Encoder Signal Type	incremental
Rotor Inertia	kg m ² 19.4 x 10 ⁻⁶
Brake Power Consumption	W 10
Static Brake Torque	Nm 1



GENERAL MOTOR SPECIFICATION	
Interface	ETHERCAT
Ambient Temperature	°C -10 ... 40
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 14.01.2021
			Schneid_A
			Reviewed 06.11.2023
			Reith_S
			Released 06.11.2023
			Reith_S
01	additional dimension	Reith_S	15.02.2024
REV	Rev. Text	Name	Date

Weight: ±10% 1.6 kg	
PD4-EB59CD-EB-65-1	
20000771	
State: Released	Rev: 01
CONFIDENTIAL	

