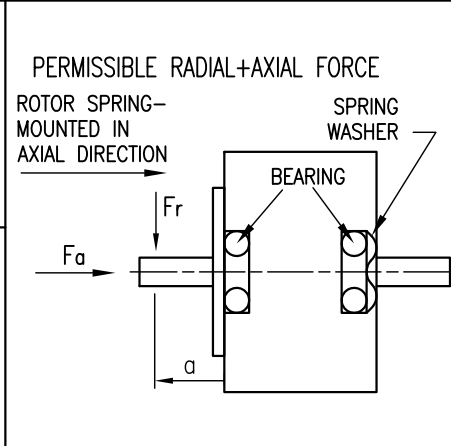
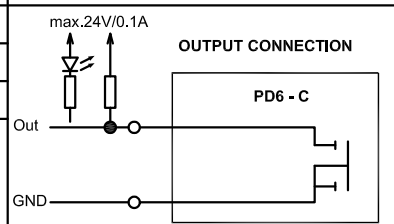
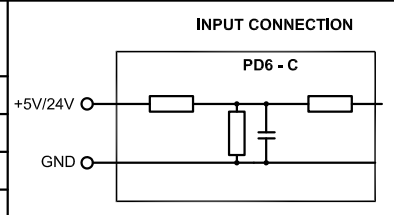


X1 Power Connector	
Pin No.	Function
1	+UB (12-48V)
2	GND

X4/X5 CANopen IN/OUT	
Pin No.	Function
1	CAN_H
2	CAN_L
3	CAN_GND
4	n.c.
5	n.c.
6	CAN_SHLD
7	GND
8	+UB Logic (24V)

SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		12 to 48
AMPS/PHASE		9.5A
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.2 [1.7]
STEP ANGLE (°) ± ACCURACY		1.8 ±5% to Microstep
ROTOR INERTIA (kg-m²) [lb-in²]		3.0x10 ⁻⁴ [1.024]
WEIGHT (Kg) [lb]		4.1 [9.02]



X2 IO Connector		
Pin No.	Function	
1	+10V VOLTAGE SUPPLY (max. 200mA)	
2	Input 1/ Enable (5V/24V)	-Input1/ -Enable*
3	Input 2/ Direction (5V/24V)	Input1/ Enable*
4	Input 3/ Clock (5V/24V)	-Input2/ -Direction*
5	Input 4 (5V/24V)	Input2/ Direction*
6	Input 5 (5V/24V)	-Input3/ -Clock*
7	Input 6 (5V/24V)	Input3/ Clock*
8	Analog Input1 (0-10V/0-20mA)	
9	Analog Input2 (0-10V)	
10	Output1 (open drain) Δ	
11	Output2 (open drain) Δ	
12	GND	

OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C		AXIAL-FORCE Fa (N)		Fa=65			
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]		DISTANCE a (mm)		5	10	15	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		RADIAL-FORCE Fr (N)		535	355	256	200
INSULATION (MOTOR) CLASS B 130° [266°F]				AXIAL			
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		SHAFT PLAY (mm)		0.2 max.			
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		AT LOAD MAX: (N)		250			

*configured as differential input
X3 Micro-USB

							APVD	X.W.	20.10.15	PLUG&DRIVE MOTOR	
							CHKD				
A	-	22.03.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	A.S.	20.10.15	DWG.NO	
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE	PD6-C8918L9504-E-09	