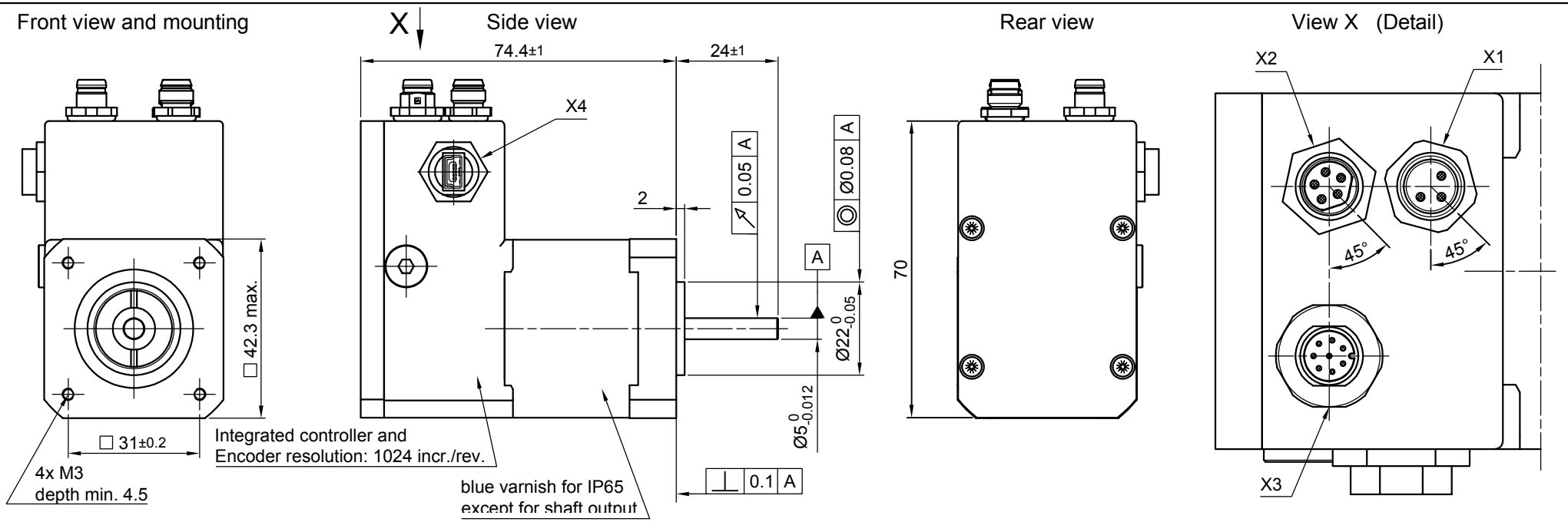
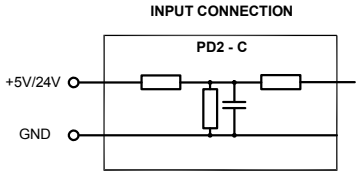
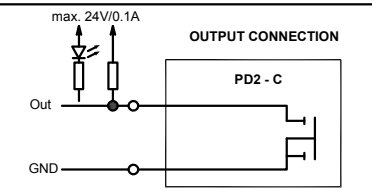
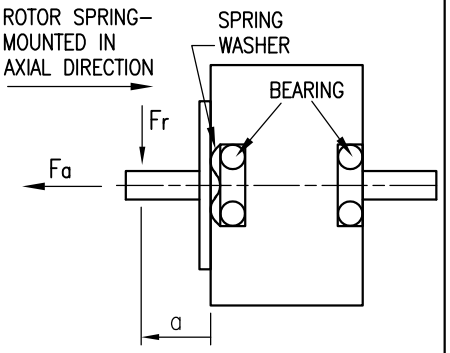


SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	12 TO 48
AMPS/PHASE	1.8A
HOLDING TORQUE (Nm) [lb-in]	0.5 [4.425]
DETENT TORQUE (Nm) [lb-in]	0.022 [0.195]
STEP ANGLE (°) ± ACCURACY	1.8±5% TO MICROSTEP
WEIGHT (Kg) [lb]	0.5 [1.1]







OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130° [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	

AXIAL-FORCE Fa (N)	Fa=7		
DISTANCE a (mm)	20		
RADIAL-FORCE Fr (N)	20		
	AXIAL	RADIAL	
SHAFT PLAY (mm)	0.1	0.02	
AT LOAD MAX: (N)	30	4.5	

X1 Power (M8, 3-Pole, A-coding, male)	
Pin No.	Function
1	+UB (12-48V)
3	GND
4	N.C.

X2 IO (M8, 5-Pole, B-coding, male)	
Pin No.	Function
1	GND
2	Input 1 (24V)
3	Input 2 (24V)
4	Output 1 (open drain)
5	Output 2 (open drain)

X3 IO (M8, 8-Pole, A-coding, male)	
Pin No.	Function
1	GND
2	Analog Input (0-10V/0-20mA)
3	-Input4/-Enable (5V/24V)
4	Input4/Enable (5V/24V)
5	-Input5/-Direction (5V/24V)
6	Input5/Direction (5V/24V)
7	-Input6/-Clock (5V/24V)
8	Input6/ clock (5V/24V)

X4 Mini - USB

REV	DESCRIPTION	DATE	DRN

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715

APVD	X.W.	11.10.16
CHKD		
DRN	A.S.	06.10.16
SIGNATURE		DATE

PLUG&DRIVE MOTOR

DWG.NO

PD2-C411L18-E-65-01