



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]	

INPUT CONNECTION	
+5V/24V	PD2 - C
GND	

OUTPUT CONNECTION	
max. 24V/0.1A	PD2 - C
Out	
GND	

PERMISSIBLE RADIAL+AXIAL FORCE		
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION	SPRING WASHER	
	BEARING	
AXIAL-FORCE F_a (N)	$F_a=7$	
DISTANCE a (mm)	20	
RADIAL-FORCE F_r (N)	20	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.1	0.02
AT LOAD MAX: (N)	30	4.5

X1/Phoenix MINI COMBICON Double-Level		X2 AND X3/JST GH 4 POLE	
Pin No.	Function	Pin No.	Function
a1	GND	1	+UB_LOGIC(24V)
a2	+UB (12-48V)	2	CAN+
a3	INPUT 1 (5V/24V)	3	CAN-
a4	INPUT 2 (5V/24V)	4	GND
a5	INPUT 3 (5V/24V)		
a6	INPUT 4 (5V/24V)		
b1	GND		
b2	+10V VOLTAGE SUPPLY		
b3	ANALOG INPUT (0-10V/0-20mA)		
b4	OUTPUT 1 (open drain)		
b5	OUTPUT 2 (open drain)		
b6	OUTPUT 3 (open drain)		

B	-	08.12.15	A.S.	 Nanotec [®] PLUG & DRIVE	APVD	<i>X.W.</i>	03.11.14	PLUG&DRIVE MOTOR			
A	-	02.07.15	A.S.		CHKD						
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>J.D.</i>	03.11.14	DWG.NO	PD2-C4118L1804-E-08
							SIGNATURE		DATE		