



CONNECTION	DELTA	INPUT CONNECTION	PERMISSIBLE RADIAL+AXIAL FORCE	X1/Phoenix MINI COMBICON Double-Level	X2 AND X3/JST GH 4 POLE	
NO. OF POL./PHASE	8/3			Pin No.	Function	
VOLTAGE RATED (VDC)	48			a1	GND	Pin No.
CURRENT RATED/PEAK (AMP)	3.3/10		AXIAL-FORCE Fa (N)	Fa=10	1	+UB_LOGIC(24V)
TORQUE RATED/PEAK (Nm)	0.25/0.75		DISTANCE a (mm)	20	2	CAN+
POWER RATED (W)	105		RADIAL-FORCE Fr (N)	28	3	CAN-
SPEED RATED/NO LOAD (RPM)	4000/6500		AXIAL		4	GND
ROTOR INERTIA (Kg-m²)	9.6x10 ⁻⁶		RADIAL		a5	INPUT 3 (5V/24V)
WEIGHT (Kg)	0.85		SHAFT PLAY (mm)	0.1 0.02	a6	INPUT 4 (5V/24V)
			AT LOAD MAX: (N)	30 4.5	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)

OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C				AXIAL-FORCE Fa (N)				Fa=10	
AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F]				DISTANCE a (mm)				20	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)				RADIAL-FORCE Fr (N)				28	
INSULATION CLASS B 130° [266°F]								AXIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)				SHAFT PLAY (mm)				0.1 0.02	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)				AT LOAD MAX: (N)				30 4.5	

D	-	14.01.16	A.S.	 Nanotec [®] PLUG & DRIVE			APVD	<i>X.W.</i>	26.01.15	PLUG&DRIVE MOTOR	
C	-	08.12.15	A.S.				CHKD				
B	-	18.11.15	A.S.	Surface specification	General tolerances	Work piece edge	DRN	<i>J.D.</i>	26.01.15	DWG.NO	
REV	DESCRIPTION	DATE	DRN	DIN ISO 1302	DIN ISO 2768- cH	DIN ISO 13715	SIGNATURE		DATE	PD2-CB42C048040-E-08	