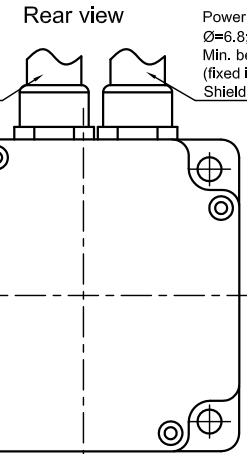
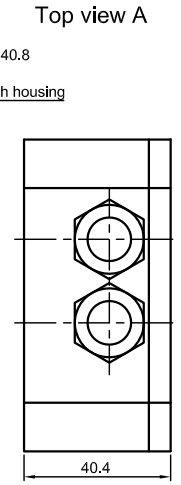


Signal cable *
 $\varnothing=8.9\text{mm}$; $L=2\text{m}$; $12 \times 2 \times 0.14\text{mm}^2$
 Min. bending radius $R=53.4$
 (fixed installation)
 Shield is connected with housing

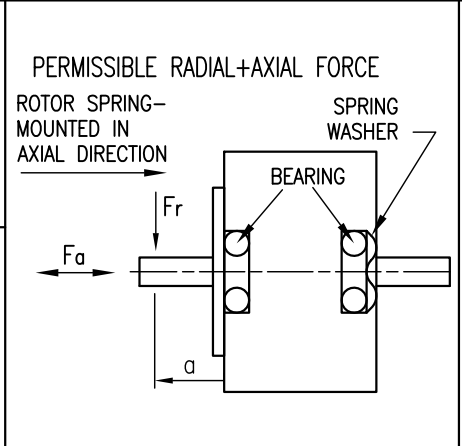
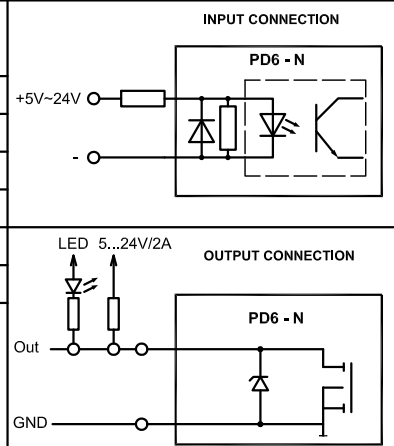


Power supply cable *
 $\varnothing=6.8$; $L=2\text{m}$; $3 \times 1\text{mm}^2$
 Min. bending radius $R=40.8$
 (fixed installation)
 Shield is connected with housing



SPECIFICATION	CONNECTION	BIPOLAR PARALLEL
SUPPLY VOLTAGE (VDC)		24 to 48
AMPS/PHASE		* adj. to 11A (rated 7A)
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.2 [1.7]
STEP ANGLE (°) ± ACCURACY		* 1.8 to Microstep
WEIGHT (Kg) [lb]		3.95 [8.71]

* adjustable with Nanopro.



SIGNAL CABLE	
FUNKTION	COLOUR
INPUT 1	BK
INPUT 2	VI
INPUT 3	GY/PK
INPUT 4	RD/BU
INPUT 5	WH/GN
INPUT 6	BN/GN
INPUT ANALOG	WH/BU
OUTPUT 1	WH/YE
OUTPUT 2	YE/BN
OUTPUT 3	WH/GY

SIGNAL CABLE	
FUNKTION	COLOUR
RS485 Tx+	GY
RS485 Tx-	PK
RS485 Rx-	YE
RS485 Rx+	GN
CAN +	BN
CAN -	WH
SIGNAL GND (COM)	GY/BN
GND	BU/PK + BN
GND LOGIC	RD
+ UB LOGIC	WH/PK (20~48V)

OVERTEMPERATURE PROTECTION (ELECTRONICS): 80°C
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)
INSULATION (MOTOR) 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 F_a (N)	$F_a=65$			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE F_r (N)	535	355	256	200
		AXIAL	RADIAL	
SHAFT PLAY (mm)	0.075	0.025		
AT LOAD MAX: (N)	10	5		

POWER SUPPLY CABLE	
FUNKTION	WIRE NO./COLOUR
+UB	1
GND	2
PROTECTIVE WIRE	GN/YE

⚠ ALL GND AND COM SHOULD BE CONNECTED

* OPTIONALLY WITH POWER CHAIN CABLE/UL LICENSED. FOR SIGNAL CABLES ARE NOT ALL I/O'S AVAILABLE.

REV	DESCRIPTION	DATE	APVD	 Nanotec PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	13.07.09	STEPPING MOTOR DWG.NO PD6-N8918L9504
					X ±0.5 1PL ±0.2 2PL ±0.1 ANGLE ±30'	CHKD			
				PD6-N8918L9504		DRN	<i>J.W.</i>	13.07.09	
						SIGNATURE		DATE	