

42

31 ± 0.2

4-M3x0.5
DEPTH 4.5 MIN.

Technical drawing of a cable gland (UL3265 AWG26) showing dimensions and features. The drawing includes a side view and a top view. Key dimensions include: overall length 24 ± 0.5 , mounting flange diameter 38 ± 0.8 , and cable entry diameter 13.5 ± 1 . The drawing also shows a 2mm gap, a 0.1mm tolerance, and a 0.075mm tolerance. The cable is UL3265 AWG26, L=300+10mm. The drawing is labeled with 'A' and 'B'.

Technical drawing of a square plate with rounded corners. The drawing includes the following specifications:

- Overall width dimension: 19.05
- Fastener specification: 2-M2.5x0.45
- Fastener depth requirement: DEPTH 2 MIN.
- The plate features four fasteners, one in each corner, and a central circular feature.

SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	1.7
AMPS/PHASE	1.4
RESISTANCE/PHASE (Ohms)@25°C	1.2±15%
INDUCTANCE/PHASE (mH) @1KHz	1.7±20%
HOLDING TORQUE (Nm) [lb-in]	0.216 [1.912]
DETENT TORQUE (Nm) [lb-in]	0.98x10 ⁻² [8.673x10 ⁻²]
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m ²) [lb-in ²]	4.8x10 ⁻⁶ [0.0164]
WEIGHT (Kg) [lb]	0.27 [0.60]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
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)	

Diagram illustrating a rotor spring-mounted in axial direction. The rotor is shown with a central shaft. A bearing is mounted on the shaft, and a spring washer is positioned between the bearing and the rotor. The rotor is subjected to an axial force F_a and a radial force F_r . The distance from the center of the bearing to the center of the rotor is labeled a .

AXIAL-FORCE F_a (N)	$F_a=7$			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE F_r (N)	58	36	26	20
	AXIAL		RADIAL	
SHAFT PLAY (mm)	0.075		0.025	
AT LOAD MAX: (N)	10		5.0	

TYPE OF CONNECTION (EXTERN)	MOTOR	
BIPOLAR	LEADS	WINDING
A —	BRN	A 
A\ —	ORG	A\ 
B —	RED	B 
B\ —	YEL	B\ 

FULL STEP 2 PHASE-Ex.,
WHEN FACING MOUNTING END (X)

STEP	A	B	A \ B	B \ A
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

				NANOTEC: ST4018M1404	SCALE	FREE	APVD	<i>S.K.</i>	26.04.06	<i>STEPPING MOTOR</i>
					X	±0.5	CHKD			
					1PL	±0.2	DRN	<i>J.W.</i>	25.04.06	DWG.NO
REV	DESCRIPTION	DATE	APVD		2PL	±0.1	SIGNATURE		DATE	ST4018M1404
				ANGLE	±30'					