

CYT Models Electromagnetic Micro Clutches - Bearing-mounted Type

Specifications

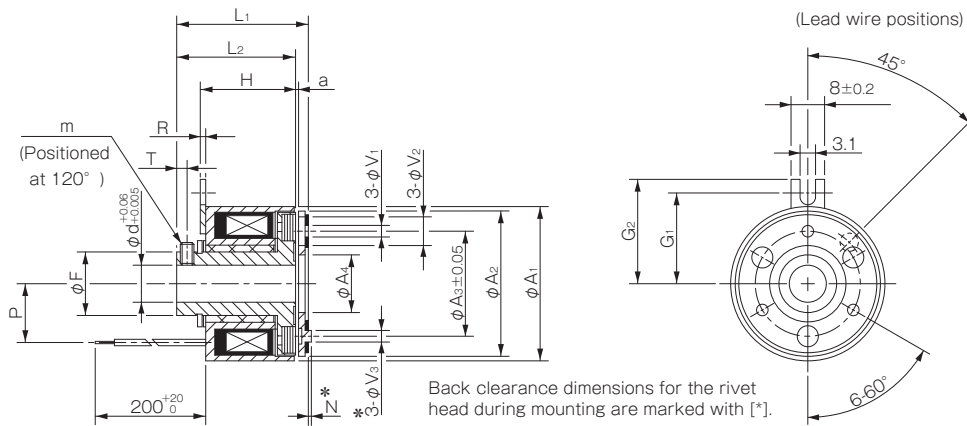
Model	Size	Dynamic friction torque T _d [N·m]	Coil (at 20℃)				Heat resistance class	Lead wire		Max. rotation speed [min ⁻¹]	Rotating part moment of inertia		Allowable engaging energy E _{ea} ε [J]	Total work E _T [J]	Armature pull-in time t _a [s]	Torque rise time t _p [s]	Torque extinction time t _d [s]	Mass [kg]
			Voltage [V]	Wattage [W]	Current [A]	Resistance [Ω]		UL style	Size		Armature [kg·m ²]	Rotor [kg·m ²]						
CYT-025-33B	025	0.4	DC24	4.5	0.188	128	B	UL3398	AWG26	3600	1.00 × 10 ⁻⁶	1.43 × 10 ⁻⁶	800	1.0 × 10 ⁶	0.014	0.028	0.030	0.07
CYT-03-33B	03	0.5	DC24	5.5	0.23	105	B	UL3398	AWG26	3600	1.30 × 10 ⁻⁶	1.85 × 10 ⁻⁶	900	1.5 × 10 ⁶	0.015	0.030	0.040	0.13
CYT-03-33M										500	1.90 × 10 ⁻⁶	0.11						
CYT-04-33B	04	1.0	DC24	5.9	0.25	98	B	UL3398	AWG26	3600	5.15 × 10 ⁻⁶	1.00 × 10 ⁻⁵	1900	2.0 × 10 ⁶	0.030	0.040	0.040	0.26
CYT-04-33M										500	1.05 × 10 ⁻⁵	0.23						

* The dynamic friction torque, T_d , is measured at a relative speed of 100 min⁻¹. Depending on the initial torque characteristics, break-in to condition the engaging surfaces may also be required.

* Keep supply voltage fluctuation to within 10% of coil voltage. Also, be careful that energization does not exceed 50%.

* The rotating part moment of inertia and mass are measured for the maximum bore diameter.

Dimensions (CYT-□-33M)



Unit [mm]

Size	Radial direction dimensions												Axial direction dimensions							
	d	A ₁	A ₂	A ₃	A ₄	F	V ₁	V ₂	V ₃	G ₁	G ₂	m	H	R	L ₁	L ₂	P	N	T	a
03	6 8	34	32	23	12.5	14	3-2.6	3-5.5	3-6	20	23	M3	21	1.2	28.6	26.2	13	3	2.3	0.2 ± 0.05
04	8 10	45	42	30	18.5	18	3-3.1	3-6	3-6	25	27.5	M4	25.3	1.2	35.1	32.4	17.5	3.5	3	0.2 ^{+0.05} _{-0.1}

* Dimensional symbols N and V₃ indicate the clearance dimensions for the rivet head during mounting.

* For details on mounting method, see "Items Checked for Design Purposes".

How to Place an Order

CYT-03-33M 24V 6

Size

Rotor bore diameter (dimensional symbol d)

COUPLINGS

ETP BUSHINGS

ELECTROMAGNETIC
CLUTCHES & BRAKESSPEED CHANGERS
& REDUCERS

INVERTERS

LINEAR SHAFT DRIVES

TORQUE LIMITERS

ROSTA

SERIES

ELECTROMAGNETIC-
ACTUATED MICRO
CLUTCHES & BRAKESELECTROMAGNETIC-
ACTUATED
CLUTCHES & BRAKESELECTROMAGNETIC
CLUTCH & BRAKE
UNITSSPRING-ACTUATED
BRAKEELECTROMAGNETIC
TOOTH CLUTCHES

BRAKE MOTORS

POWER SUPPLIES

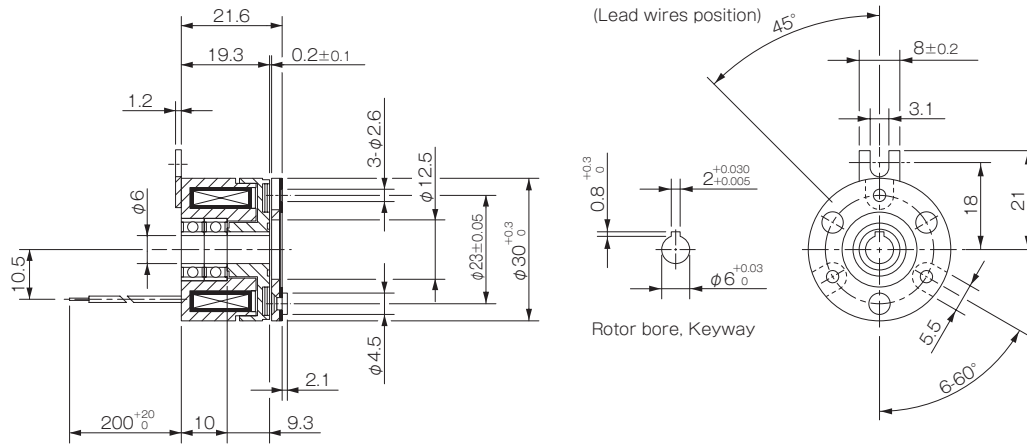
MODELS

102

CYT

112

Dimensions (CYT-025-33B)

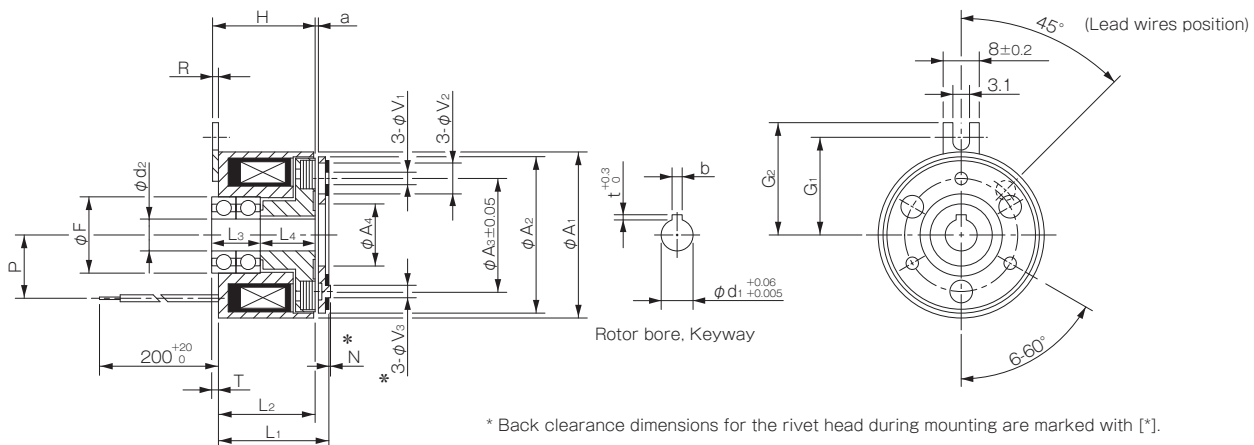


* For details on mounting method, see "Items Checked for Design Purposes".

How to Place an
Order

CYT-025-33B 24V 6

Dimensions (CYT-□-33B)



* Back clearance dimensions for the rivet head during mounting are marked with [*].

Unit [mm]

Size	Nominal diameter	Radial direction dimensions										Axial direction dimensions										Shaft bore dimensions			
		A ₁	A ₂	A ₃	A ₄	F	V ₁	V ₂	V ₃	G ₁	G ₂	H	R	L ₁	L ₂	L ₃	L ₄	P	N	T	a	d ₂	d ₁	b	t
03	6	34	32	23	12.5	15	3-2.6	3-5.5	3-6	20	23	21	1.2	22.2	19.8	10	11.3	13	3	1.5	0.2 ± 0.05	6	6	2 ^{+0.030} / _{+0.005}	0.8 ^{+0.3} / ₀
	8	34	32	23	12.5	16	3-2.6	3-5.5	3-6	20	23	21	1.2	22.2	19.8	10	11.3	13	3	1.5	0.2 ± 0.05	8	8	2 ^{+0.030} / _{+0.005}	0.8 ^{+0.3} / ₀
04	8	45	42	30	18.5	19	3-3.1	3-6	3-6	25	28	25.3	1.2	26.8	24.1	12	13	17.5	3.5	0.9	0.2 ^{+0.05} / _{-0.1}	8	8	2 ^{+0.030} / _{+0.005}	0.8 ^{+0.3} / ₀
	10	45	42	30	18.5	19	3-3.1	3-6	3-6	25	28	25.3	1.2	26.8	24.1	14	11	17.5	3.5	0.9	0.2 ^{+0.05} / _{-0.1}	10	10	3 ^{+0.025} / ₀	1.2 ^{+0.3} / ₀

* Dimensional symbols N and V₃ indicate the clearance dimensions for the rivet head during mounting.

* For details on mounting method, see "Items Checked for Design Purposes".

How to Place an
Order

CYT-03-33B 24V 6

Size Nominal diameter