

# BSZ Models Electromagnetic Brakes – One-touch-mounted Type

COUPLINGS

ELECTROMAGNETIC CLUTCHES & BRAKES

TORQUE LIMITERS

SERIES

ELECTROMAGNETIC-ACTUATED MICRO CLUTCHES & BRAKES

ELECTROMAGNETIC-ACTUATED CLUTCHES & BRAKES

SPRING-ACTUATED BRAKE

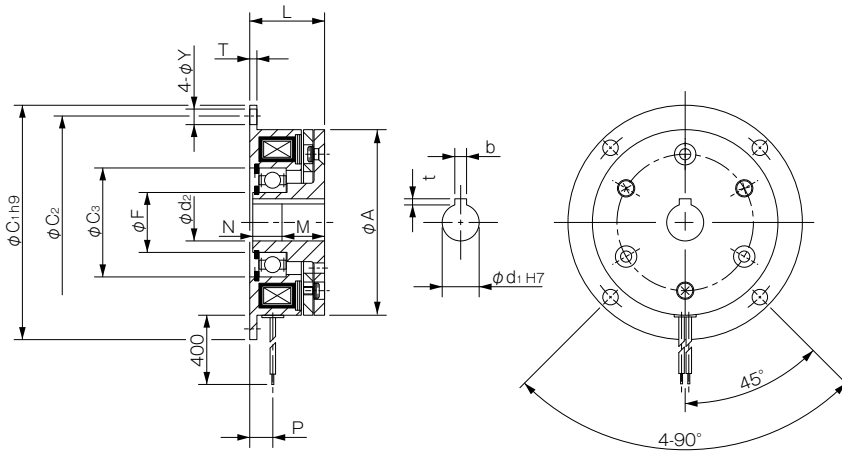
ELECTROMAGNETIC TOOTH CLUTCHES

## Specifications

Model	Size	Dynamic friction torque $T_d$ [N·m]	Static friction torque $T_s$ [N·m]	Coil [at 20 °C]				Heat resistance class	Lead wire		Max. rotation speed [min <sup>-1</sup> ]	Armature Moment of inertia J [kg·m <sup>2</sup> ]	Total work performed until readjustment of the air gap $E_r$ [J]	Armature pull-in time $t_a$ [s]	Torque build-up time $t_p$ [s]	Torque decrease time $t_d$ [s]	Bearing used	Mass [kg]
				Voltage [V]	Wattage [W]	Current [A]	Resistance [Ω]		UL style	Size								
BSZ-05-12	05	2.4	2.4	DC24	10	0.42	57	B	UL3398	AWG22	1800	$1.46 \times 10^{-5}$	$9 \times 10^6$	0.020	0.030	0.010	6902ZZ	0.25
BSZ-06-12	06	5	5.5	DC24	11	0.46	52	B	UL3398	AWG22	1800	$5.77 \times 10^{-5}$	$29 \times 10^6$	0.017	0.033	0.010	6904ZZ	0.36
BSZ-08-12	08	10	11	DC24	15	0.63	38	B	UL3398	AWG18	1800	$1.63 \times 10^{-4}$	$60 \times 10^6$	0.020	0.052	0.015	6905ZZ	0.67

• The dynamic friction torque,  $T_d$ , is measured at a relative speed of 100 min<sup>-1</sup>.

## Dimensions



Unit [mm]

Size	Radial direction dimensions					Axial direction dimensions					Shaft bore dimensions				
	A	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	F	L	M	N	P	T	Y	d <sub>1</sub> H7	d <sub>2</sub>	b H9	t
05	50	65	58	28	15	28.3	18	9.8	8.2	2	3.4	10	10.2	$3^{+0.030}_0$	$1.2^{+0.3}_0$
06	63	80	72	37	20	25.5	15	10	7.3	2	5	12	12.2	$4^{+0.030}_0$	$1.8^{+0.3}_0$
08	80	100	90	42	25	28.5	20	8	8.3	2.6	6	15	15.5	$5^{+0.030}_0$	$2.3^{+0.3}_0$

How to Place an Order

BSZ-05-12

Size

MODELS

101

CS

111

CSZ

BSZ