Chain Tail
Clutch & Brake

ZP Technology
지피 테크놀러지 (주)

Miniature Slim Brake.
Overexcitation.



MBS - Miniature Slim Brake with overexcitation is an ultra-compact design for saving installation space. Combining a special overexcitation controller, it provides high torque, low power consumption and efficiently reduces the temperature of brakes.

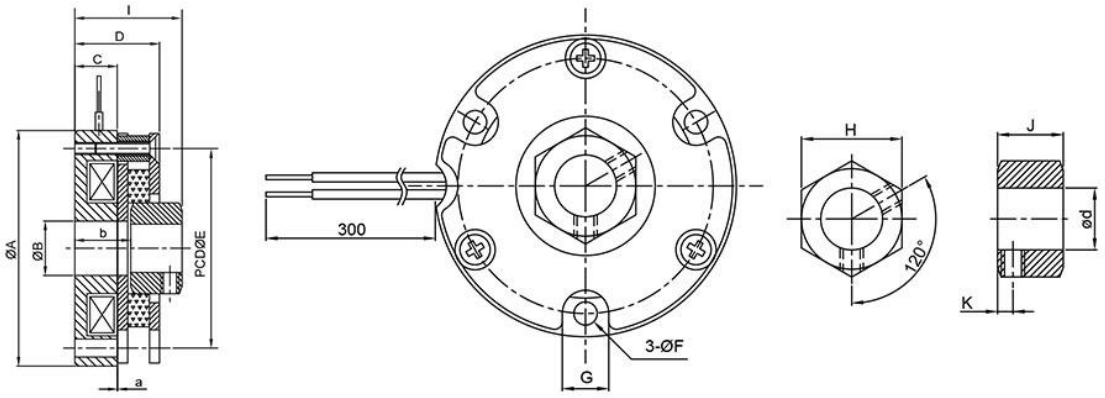
- **Easy Installation**
- **Save Space**
- **High Torque**
- **Energy Saving**



Overexcitation
Controller

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MBS series Overexcitation Holding Brake - Ultra Slim



• Brake

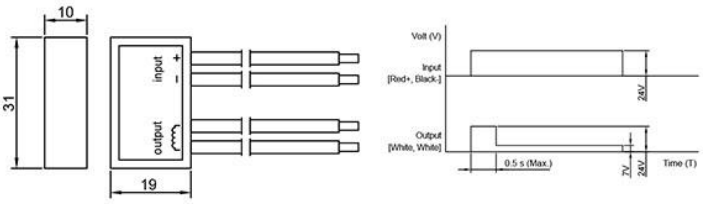
Model		MBSS006AA	MBSS013AA	MBSS03AA	MBSS05AA	MBSS13AA	MBS0S3AA	MBS0S5AA
Static Friction [Nm]		0.06	0.16	0.32	0.62	1.32	3.2	5.0
Voltage (DC)	Overexcitation	24						
	Constant	12 (7)						
Power (W) at 24V		14.5	10	20	18	20	16.5	17.6
Allowable Speed (rpm)		5000						
Moment of Inertia (kg.㎡)		2.9×10^{-8}	6.4×10^{-8}	4.0×10^{-7}	1.1×10^{-6}	2.7×10^{-6}	6.1×10^{-6}	25×10^{-6}
Weight (g)		31	36	72	108	158	380	520
Exterior Dimensions	A	26	29	39	48	56	71	83.5
	B	7	9	9	15	15	22	47
	C	7.5	7.5	7	7	7.5	10.5	12.2
	D	12.6	12.6	14	14	14.5	19	21.2
	E	22	25	33	42	50	65	76
	F	2.3	2.1	3	3	3.4	4.2	4.5
	G	4.3	4.5	6	6	6.5	8	9
	H	8*	9.65*	13	19	19	25.4*	-*
	I	17	17.4	17.7	18.2	18.7	24.5	20
	d	5	8	8	14	14	20	19
	J	7.7	8.5	8.5	9	9	10.5	13
	K	2.5	1.8	2	2.5	2.5	3.2	-
	a	0.06	0.07	0.08	0.08	0.10	0.10	0.10
	b	9.3	8.9	9.2	9.2	9.7	14	(7)
Motor Frame		□40	□40	□40	□60	□60	□80	□80 / 100

• If hubs are designed by users, please set the thickness at 4mm min. and the tolerance for H to be -0 / -0.05

• The hub for MBS0S5AA is spline type .

• Controller

Input Volt	DC24V ±15%
Max. Output Current	DC0.8A (@80°C)
Output Volt	energize coil with DC24V for 0.5sec. Max.
	then reduce to DC7V (±5%) for holding status
Temp °C	-20°C ~ 80°C
Insulation Resistance	500VDC / 50MΩ (minimum)
HI - Pot	1500V / 1mA / 1sec
Lead Wire	UL3266 - 22AWG, 150mm long, strip 5mm



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