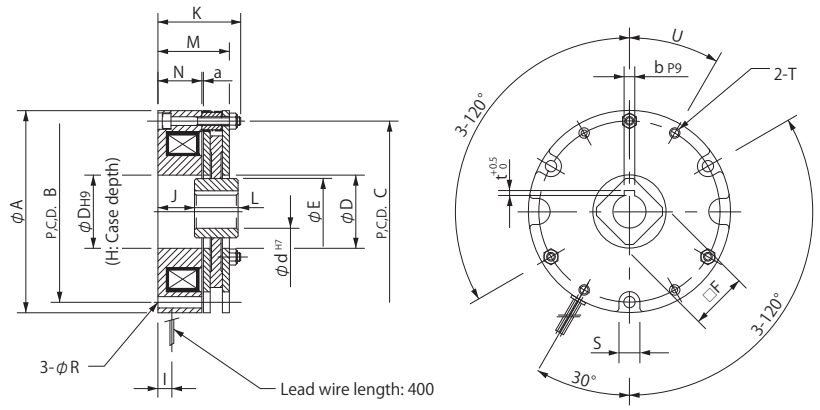
SPRING-ACTUATED BRAKES

BXH - Datasheet

Dimensions



Unit [mm]

Size	A	B	C	D	E	F	H	I	J	K	L	M	N	R	S	T	U	a	d	b	t
06	83	73	73	28	26.5	22	3	10	20.5	39.5	14	33.6	20	4.5	9	2 — M5	30°	0.15	11	4	1.5
08	96	86	86	35	32	25	3	12	20	41	17	35	20.8	5.5	10.5	2 — M5	30°	0.15	14	5	2
10	116	104	104	42	38	30	3	9.5	21	47.5	25	41	25.3	6.5	12.5	2 — M6	30°	0.2	19	6	2.5
12	138	124	124	50	45	35	4	12	19	49.8	30	43.5	23.3	6.5	12.5	2 — M6	30°	0.2	24	8	3
16	158	142	143	59	55	45	4	14	22.5	57.5	35	51	27.7	9	15.5	2 — M8	40°	0.25	28	8	3

Specifications

Model	Size	Static friction torque T_S [N·m]	Coil (at 20°C)				Heat resistance class	Max. rotation speed [min^{-1}]	Rotating part moment of inertia J [$kg·m^2$]	Allowable braking energy rate $E_{ba\ell}$ [J]	Total braking energy E_T [J]	Armature pull-in time t_a [s]	Armature release time t_{ar} [s]	Mass [kg]
			Voltage [V]	Wattage [W]	Current [A]	Resistance [Ω]								
BXH-06-10	06	4	DC24	15	0.63	38.4	F	5000	3.25×10^{-5}	700	2.0×10^6	0.040	0.020	0.9
			DC45	12	0.27	169	F							
			DC90	12	0.13	677	F							
BXH-08-10	08	8	DC24	22.5	0.94	25.6	F	5000	5.75×10^{-5}	1100	3.5×10^6	0.045	0.020	1.3
			DC45	19	0.41	110	F							
			DC90	19	0.21	440	F							
BXH-10-10	10	16	DC24	28	1.14	21.1	F	4000	1.30×10^{-4}	1300	6.2×10^6	0.070	0.025	2.3
			DC45	25	0.54	83	F							
			DC90	25	0.27	331	F							
BXH-12-10	12	32	DC24	35	1.46	16.2	F	3600	3.20×10^{-4}	1600	9.0×10^6	0.090	0.025	3.4
			DC90	30	0.33	271	F							
BXH-16-10	16	44	DC24	39	1.64	14.6	F	3000	6.93×10^{-4}	2200	11.4×10^6	0.125	0.030	5.4
			DC90	39	0.43	207	F							

* The armature pull-in time and armature release time are taken during DC switching.
* See the operating characteristics page for the armature pull-in time and release time during AC-side switching (half-wave rectified).