

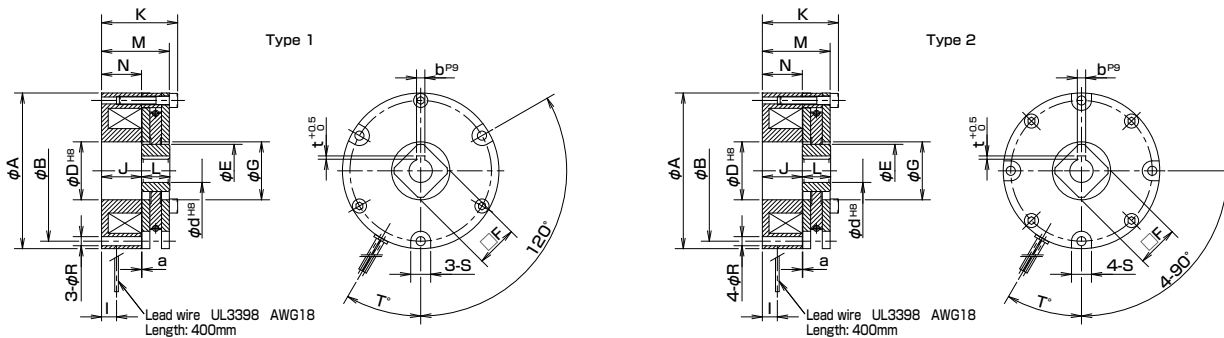
# BXL-N Safety brakes - Datasheet

## Specifications

Model	Size	Static friction torque $T_s$ [N·m]	Coil [at 20 °C]				Heat resistance class	Max. rotation speed [min <sup>-1</sup> ]	Rotating part moment of inertia J [kg·m <sup>2</sup> ]	Allowable braking energy rate $P_{ba\delta}$ [W]	Total braking energy $E_t$ [J]	Armature pull-in time $t_{a_i}$ [s]	Armature release time $t_{a_r}$ [s]	Applicable motor output (Reference) Four poles [kW]	Mass [kg]
			Voltage [V]	Wattage [W]	Current [A]	Resistance [ $\Omega$ ]									
BXL-08-10N-002	08	2	24	19.0	0.793	30.3	F	3600	$6.3 \times 10^{-5}$	60	$5.0 \times 10^7$	0.030	0.050	0.1/0.2	1.4
			99	19.0	0.192	515.8									
			171	19.0	0.111	1539									
BXL-08-10N-004	08	4	24	19.0	0.793	30.3	F	3600	$6.3 \times 10^{-5}$	60	$5.0 \times 10^7$	0.040	0.040	0.4	1.4
			99	19.0	0.192	515.8									
			171	19.0	0.111	1539									
BXL-10-10N-008	10	8	24	28.0	1.166	20.6	F	3600	$13.8 \times 10^{-5}$	70	$8.0 \times 10^7$	0.050	0.050	0.75	2.7
			99	28.0	0.283	350.0									
			171	28.0	0.164	1044									
BXL-10-10N-015	10	15	24	28.0	1.166	20.6	F	3600	$13.8 \times 10^{-5}$	70	$8.0 \times 10^7$	0.070	0.030	1.5	2.7
			99	28.0	0.283	350.0									
			171	28.0	0.164	1044									
BXL-12-10N-022	12	22	24	35.0	1.460	16.4	F	3600	$33.8 \times 10^{-5}$	90	$12.0 \times 10^7$	0.080	0.060	2.2	4.7
			99	35.0	0.353	280.1									
			171	35.0	0.205	835.5									
BXL-12-10N-030	12	30	24	35.0	1.460	16.4	F	3600	$33.8 \times 10^{-5}$	90	$12.0 \times 10^7$	0.100	0.030	3.0	4.7
			99	35.0	0.353	280.1									
			171	35.0	0.205	835.5									
BXL-16-10N-040	16	40	24	42.0	1.753	13.7	F	1800	$73.5 \times 10^{-5}$	120	$16.0 \times 10^7$	0.100	0.070	3.7	6.3
			99	42.0	0.424	233.3									
			171	42.0	0.246	696.1									
BXL-16-10N-060	16	60	24	55.0	2.294	10.5	F	1800	$74.6 \times 10^{-5}$	150	$16.0 \times 10^7$	0.100	0.050	5.5	6.7
			99	55.0	0.556	178.1									
			171	55.0	0.322	531.6									
BXL-16-10N-080	16	80	24	55.0	2.294	10.5	F	1800	$74.6 \times 10^{-5}$	150	$16.0 \times 10^7$	0.100	0.030	7.5	6.7
			99	55.0	0.556	178.1									
			171	55.0	0.322	531.6									

\* The armature pull-in time and armature release time are taken during DC switching.

## Dimensions



Model	Type	A	B	D	E	F	G	I	J	K	L	M	N	R	S	T	a	d	b	t
BXL-08-10N-002	1	94	85	35	32	25	35	9	24	45.7	17	40.7	24	5.5	12	30	0.3	11	4	1.5
BXL-08-10N-004	1	94	85	35	32	25	35	9	24	45.7	17	40.7	24	5.5	12	30	0.3	14	5	2
BXL-10-10N-008	1	124	110	40	38	30	42	10	22	48.7	25	42.7	26	6.5	12	30	0.3	18	6	2.5
BXL-10-10N-015	1	124	110	40	38	30	42	10	22	48.7	25	42.7	26	6.5	12	30	0.3	20	6	2.5
BXL-12-10N-022	1	150	130	49	45	35	50	18	25	57.1	30	51.1	29	6.5	14	30	0.3	24	8	3
BXL-12-10N-030	1	150	130	49	45	35	50	18	25	57.1	30	51.1	29	6.5	14	30	0.3	24	8	3
BXL-16-10N-040	1	165	150	62	55	45	62	18	24	63.1	35	55.1	28	9	15	30	0.3	28	8	3
BXL-16-10N-060	2	165	150	64	61	50	64	20	29	68.1	35	60.1	33	9	15	15	0.3	37	10	3.5
BXL-16-10N-080	2	165	150	64	61	50	64	20	29	68.1	35	60.1	33	9	15	15	0.3	37	10	3.5

How to Place an Order

BXL-08-10N-004-24V-11

Size ——— Bore diameter (dimensional symbol d)  
 Static torque (refer to the specifications table) ——— Voltage (refer to the specifications table)

\* Further bore diameters and voltages possible on request.