Overview (continued)

Operating values for spring-operated brakes with standard excitation

For motor frame size	Brake type	Rated braking torque at 100 rpm	Rated braking torque at 100 rpm in % at the following speeds			Supply voltage	Current/ power input [1]		Brake application time t_2 [2]	Brake release time	Brake moment of inertia	Noise level L_p with rated air gap	Service capability of the brake: Lifetime L of the brake lining	Service capability of the brake: Air gap adjustment required after braking energy L_N
			1500 rpm	3000 rpm	Max. speed									
		Nm	%	%	%	V	A	W	ms	ms	kgm²	dB (A)	Nm · 10⁶	Nm · 10⁶
63	**2LM8 005-1NA10**	5	87	80	65	AC 230	0.1	20	25	56	0.000013	77	105	16
	2LM8 005-1NA60					AC 400	0.11							
	2LM8 005-1NA80					DC 24	0.83							
71	**2LM8 005-2NA10**	5	87	80	65	AC 230	0.1	20	25	56	0.000013	77	105	16
	2LM8 005-2NA60					AC 400	0.11							
	2LM8 005-2NA80					DC 24	0.83							
80	**2LM8 010-3NA10**	10	85	78	65	AC 230	0.12	25	26	70	0.000045	75	270	29
	2LM8 010-3NA60					AC 400	0.14							
	2LM8 010-3NA80					DC 24	1.04							
90	**2LM8 020-4NA10**	20	83	76	66	AC 230	0.15	32	37	90	0.00016	75	740	79
	2LM8 020-4NA60					AC 400	0.17							
	2LM8 020-4NA80					DC 24	1.25							
100	**2LM8 040-5NA10**	40	81	74	66	AC 230	0.2	40	43	140	0.00036	80	1350	115
	2LM8 040-5NA60					AC 400	0.22							
	2LM8 040-5NA80					DC 24	1.67							
112	**2LM8 060-6NA10**	60	80	73	65	AC 230	0.25	53	60	210	0.00063	77	1600	215
	2LM8 060-6NA60					AC 400	0.28							
	2LM8 060-6NA80					DC 24	2.1							
132	**2LM8 100-7NA10**	100	79	72	65	AC 230	0.27	55	50	270	0.0015	77	2450	325
	2LM8 100-7NA60					AC 400	0.31							
	2LM8 100-7NA80					DC 24	2.3							
160	**2LM8 260-8NA10**	260	75	68	65	AC 230	0.5	100	165	340	0.0073	79	7300	935
	2LM8 260-8NA60					AC 400	0.47							
	2LM8 260-8NA80					DC 24	4.2							
180	**2LM8 315-0NA10**	315	75	68	65	AC 230	0.5	100	152	410	0.0073	79	5500	470
	2LM8 315-0NA60					AC 400	0.56							
	2LM8 315-0NA80					DC 24	4.2							
200, 225	**2LM8 400-0NA10**	400	73	68	65	AC 230	0.55	110	230	390	0.0200	93	9450	1260
	2LM8 400-0NA60					AC 400	0.61							
	2LM8 400-0NA80					DC 24	4.6							

[1] For 400 V AC and for 24 V DC, the power can deviate by up to +10 % as a function of the selected supply voltage.

[2] The specified switching times are valid for switching on the DC side with a rated release travel and with the coil already warm. They are average values, which may vary depending on factors such as the rectifier type and the release travel. The brake application time for switching on the AC side, for example, is approximately 6 times longer than for switching on the DC side.