



LXD1●●

a.c coils for ~ contactors LC1D09...D38 and LC1DT20...DT40

Specifications

Average consumption at 20 °C:

- inrush ($\cos \phi = 0.75$) 70 VA,
- sealed ($\cos \phi = 0.3$) 50 Hz: 7 VA, 60 Hz: 7.5 VA.

Operating range ($\theta \leq 60$ °C): 50 Hz: 0.8...1.1 Uc, 60 Hz: 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾
V	Ω	H	
			50/60 Hz
12	1.33	0.05	LXD1J7
24	5.37	0.22	LXD1B7
32	10.1	0.39	LXD1C7
42	17	0.67	LXD1D7
48	21.7	0.87	LXD1E7
110	124.1	4.6	LXD1F7
115	129.8	5	LXD1FE7
120	150.6	5.4	LXD1G7 ⁽²⁾
200	410.7	15	LXD1L7
208	430.4	16	LXD1LE7 ⁽²⁾
220	515.4	18	LXD1M7 ⁽³⁾
230	538.6	20	LXD1P7
240	562.3	22	LXD1U7
277	800.7	29	LXD1W7 ⁽²⁾
380	1551	55	LXD1Q7 ⁽⁴⁾
400	1633	60	LXD1V7
415	1694	65	LXD1N7
440	1993	73	LXD1R7
480	2398	87	LXD1T7 ⁽²⁾
500	2499	95	LXD1S7
575	3294	125	LXD1SC7
600	3810	136	LXD1X7
660	4656	165	LXD1YC7
690	5020	180	LXD1Y7

⁽¹⁾ The last 2 digits in the reference represent the voltage code.

⁽²⁾ Coil for use only on 60 Hz.

⁽³⁾ Suitable for use on 230 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see pages B8/82 and B8/84).

⁽⁴⁾ Suitable for use on 400 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see pages B8/82 and B8/84).



LXD3●●

a.c coils for ~ contactors LC1D40A...D80A, LC1DT60A and LC1DT80A

Specifications

Average consumption at 20 °C:

■ inrush ($\cos \phi = 0.75$) 160 VA,

■ sealed ($\cos \phi = 0.3$) 50 Hz: 15 VA, 60 Hz: 15 VA.

Operating range ($\theta \leq 60$ °C): 50 Hz: 0.8...1.1 Uc, 60 Hz: 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C $\pm 10\%$	Inductance of closed circuit	Reference ⁽¹⁾
V	Ω	H	
			50/60 Hz
24	1.98	0.12	LXD3B7
42	6.18	0.37	LXD3D7
48	7.97	0.48	LXD3E7
110	42.28	2.50	LXD3F7
115	48.76	2.74	LXD3FE7
120	37.63	2.07	LXD3G7 ⁽²⁾
208	105	6.22	LXD3LE7 ⁽²⁾
220	182	10	LXD3M7 ⁽³⁾
230	192	10.9	LXD3P7
240	202	11.9	LXD3U7
380	512	29.9	LXD3Q7 ⁽⁴⁾
400	607	33.1	LXD3V7
415	635	35.6	LXD3N7
440	682	40.1	LXD3R7
480	607	33.1	LXD3T7 ⁽²⁾
575	1238	68.4	LXD3SC7
600	1304	74.5	LXD3X7

⁽¹⁾ The last 2 digits in the reference represent the voltage code.

⁽²⁾ This coil can only be used on 60 Hz.

⁽³⁾ Suitable for use on 230 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/82 and B8/84).

⁽⁴⁾ Suitable for use on 400 V / 50 Hz. In this case, apply a coefficient of 0.6 to the mechanical durability of the contactor (see page B8/82 and B8/84).

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LX1D6●●

a.c coils for 3 or 4-pole contactors LC1D40, D50, D65, D80, D95

Specifications

Average consumption at 20 °C:

- inrush ($\cos \phi = 0.75$) 50 Hz: 200 VA, 60 Hz: 220 VA
- sealed ($\cos \phi = 0.3$) 50 Hz: 20 VA, 60 Hz: 22 VA.

Operating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20°C at ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾	Average resistance at 20 °C	Inductance of closed circuit	Reference ⁽¹⁾
				at ± 10 %	of closed circuit	
V	Ω	H		Ω	H	
			50 Hz	60 Hz		
24	1.4	0.09	LX1D6B5	1.05	0.06	LX1D6B6
110	31	1.9	LX1D6F5	22	1.2	
115	31	1.9	LX1D6FE5	–	–	–
208	–	–	–	86	4.3	LX1D6L6
220	–	–	–	98	4.8	LX1D6M6
220/230	127	7.5	LX1D6M5	–	–	–
240	152	8.7	LX1D6U5	120	5.7	LX1D6U6
380	–	–	–	300	14	LX1D6Q6
440	513	30	LX1D6R5	392	19	
480	–	–	–	480	23	LX1D6T6

Specifications

Average consumption at 20 °C:

- inrush ($\cos \phi = 0.75$) 50/60 Hz: 245 VA at 50 Hz
- sealed ($\cos \phi = 0.3$) 50/60 Hz: 26 VA at 50 Hz.

Operating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

						50/60 Hz
24	–	–	–	1.22	0.08	LX1D6B7
48	–	–	–	5	0.32	LX1D6E7
110	–	–	–	26	1.7	LX1D6F7
120	–	–	–	32	2	LX1D6G7
220/230 ⁽²⁾	–	–	–	102	6.7	LX1D6M7
230	–	–	–	115	7.7	LX1D6P7
230/240 ⁽³⁾	–	–	–	131	8.3	LX1D6U7
380/400 ⁽⁴⁾	–	–	–	310	20	LX1D6Q7
400	–	–	–	349	23	LX1D6V7
415	–	–	–	390	24	LX1D6N7
440	–	–	–	410	27	LX1D6R7

⁽¹⁾ The last 2 digits in the reference represent the voltage code.

⁽²⁾ For use on 230 V / 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see page B8/82 and B8/84. This coil can be used on 240 V at 60 Hz.

⁽³⁾ This coil can be used on 220/240 V at 50 Hz and on 240 V only at 60 Hz.

⁽⁴⁾ For use on 400 V / 50 Hz, apply a coefficient of 0.6 to the mechanical durability of the contactor, see page B8/82 and B8/84.

PB121396.eps



LX1D8●●

a.c coils for 3 or 4-pole contactors LC1D115

Specifications

Average consumption at 20 °C:

■ inrush ($\cos \phi = 0.8$) 50 or 60 Hz: 300 VA

■ sealed ($\cos \phi = 0.3$) 50 or 60 Hz: 22 VA.

Operating range ($\theta \leq 55$ °C): 0.85...1.1 Uc.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾
V	Ω	H		Ω	H	
			50 Hz	60 Hz		
24	–	–	–	0.87	0.07	LX1D8B6
32	2.14	0.17	LX1D8C5	–	–	–
42	3.91	0.28	LX1D8D5	–	–	–
48	–	–	–	3.91	0.28	LX1D8E6
127	32.75	2.44	LX1D8FC5	–	–	–
208	–	–	–	67.92	5.06	LX1D8L6
220	104.77	7.65	LX1D8M5	–	–	–
380	338.51	22.26	LX1D8Q5	243.07	17.04	LX1D8Q6
440	441.56	30.34	LX1D8R5	338.51	22.26	LX1D8R6
500	566.62	38.12	LX1D8S5	–	–	–

a.c coils for 3 or 4-pole contactors LC1D115, LC1D150

Specifications

Average consumption at 20 °C:

■ inrush: $\cos \phi = 0.9$ - 280 to 350 VA

■ sealed: $\cos \phi = 0.9$ - 2 to 18 VA.

Operating range ($\theta \leq 55$ °C): 0.8...1.15 Uc.

Coils with integral suppression device fitted as standard, class B.

Control circuit voltage Uc	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾	Average resistance at 20 °C ± 10 %	Inductance of closed circuit	Reference ⁽¹⁾
V	Ω	H		Ω	H	
			50/60 Hz			
24	–	–	–	147	3.03	LX1D8B7
32	–	–	–	301	8.28	LX1D8C7
48	–	–	–	1061	24.19	LX1D8E7
110	–	–	–	4377	109.69	LX1D8F7
115	–	–	–	4377	109.69	LX1D8FE7
120	–	–	–	4377	109.69	LX1D8G7
208	–	–	–	10 895	260.15	LX1D8LE7
220	–	–	–	9895	210.72	LX1D8M7
230	–	–	–	9895	210.72	LX1D8P7
240	–	–	–	9895	210.72	LX1D8U7
277	–	–	–	21 988	533.17	LX1D8UE7
380	–	–	–	21 011	482.42	LX1D8Q7
400	–	–	–	21 011	482.42	LX1D8V7
415	–	–	–	21 011	482.42	LX1D8N7
440	–	–	–	21 501	507.47	LX1D8R7
480	–	–	–	32 249	938.41	LX1D8T7

(1) The last 2 digits in the reference represent the voltage code.