TESYS DECA LC1D CONTACTORS

Product Data Sheet

LC1D32F7C

Three-pole AC coil contactor

MAIN POLES	AC-3 / AC-3E CURRENT	AC-1 CURRENT	AC MAIN-CIRCUIT LIMIT
3 poles, 3 normally open contacts	**32 A up to 440 V AC at ambient up to 60 C**	**50 A up to 440 V AC at ambient up to 60 C**	**690 V AC, 25-400 Hz**

Schneider Electric LC1D32F7C is a TeSys Deca three-pole contactor with three normally open main contacts and a 110 V AC, 50/60 Hz coil. Its AC-3 and AC-3e operational current is 32 A at up to 440 V AC under the stated temperature condition, with a 15 kW motor rating at 380/400 V AC.

01 TECHNICAL DATA

Main poles	3 poles, 3 normally open contacts
AC-3 / AC-3e current	32 A up to 440 V AC at ambient up to 60 C
AC-1 current	50 A up to 440 V AC at ambient up to 60 C
AC main-circuit limit	690 V AC, 25-400 Hz
DC main-circuit limit	225 V DC
Coil rating	110 V AC, 50/60 Hz
Built-in auxiliaries	1 NO and 1 NC
Motor rating at 380/400 V	15 kW, AC-3
Impulse withstand	6 kV
Coil inrush	70 VA at 50/60 Hz, 20 C

02 ADDITIONAL PRODUCT DATA

Coil holding demand	6 VA at 50 Hz; 5 VA at 60 Hz
Terminal tightening	2.5 N m power; 1.7 N m control
Mechanical durability	15 million cycles
Normal operating temperature	-40 to +60 C; derating from +60 to +70 C
Altitude without derating	3000 m without derating

03 PRODUCT FUNCTION

The contactor includes one NO and one NC auxiliary contact and screw-clamp terminals. The January 2025 exact-model sheet specifies a 690 V AC main-circuit limit and a separate 225 V DC limit. Coil inrush is 70 VA, while holding demand is 6 VA at 50 Hz or 5 VA at 60 Hz; control-circuit and main-circuit ratings must remain distinct.

04 SYSTEM COMPATIBILITY

Supply the F7C coil at 110 V AC, 50/60 Hz and size the control source for the documented 70 VA inrush and frequency-dependent holding demand. Keep the auxiliary 1 NO/1 NC circuit separate from the three main NO poles. The exact sheet states no built-in surge-suppression module, so accessory selection must be checked independently.

05 REFERENCE

Schneider Electric LC1D32F7C Product Data Sheet, January 23, 2025.

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