

# Schneider Electric LC1D32F7C

TeSys Deca three-pole contactor, 32 A AC-3/AC-3e, 110 V AC coil

## Product scope

- Three normally open power poles are rated 32 A for AC-3 and AC-3e duty at up to 440 V.
- A 110 V AC 50/60 Hz coil operates the main contacts and the linked 1 NO + 1 NC auxiliary pair.
- The regional execution is documented to IEC 60947, GB/T 14048.4 and CCC requirements.

## Manufacturer source

Schneider Electric official China product page and product data sheet for LC1D32F7C:  
<https://www.schneider-electric.cn/zh/product/LC1D32F7C/>

This English web copy combines exact-model specifications with detailed function, system role, operating principle, application scenarios and installation boundaries.

| Request a fast quote                                                                                                                                              | Product reference            |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------|
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## Schneider Electric LC1D32F7C

TeSys Deca three-pole contactor, 32 A AC-3/AC-3e, 110 V AC coil

### Verified technical specifications

Values below apply to the exact model or nameplate identified on this page; adjacent family variants are not merged.

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Rated operational current             | 32 A at ≤440 V AC for AC-3 and AC-3e motor duty |
| Conventional free-air thermal current | 50 A for the power circuit at ≤60 deg C         |
| Pole arrangement                      | 3 poles with 3 normally open power contacts     |
| Control circuit voltage               | 110 V AC at 50/60 Hz                            |
| Rated operational voltage             | Up to 690 V AC at 25 to 400 Hz; up to 225 V DC  |
| Motor power at 220/240 V              | 7.5 kW at 50/60 Hz for AC-3 and AC-3e           |
| Motor power at 380/400 V              | 15 kW at 50/60 Hz for AC-3 and AC-3e            |
| Motor power at 500 V                  | 18.5 kW at 50/60 Hz for AC-3 and AC-3e          |
| Utilization categories                | AC-1, AC-3, AC-3e and AC-4                      |
| Auxiliary contacts                    | 1 NO + 1 NC mechanically linked                 |
| Rated insulation voltage              | 690 V for the power and signaling circuits      |
| Rated impulse withstand voltage       | 6 kV in accordance with IEC 60947               |
| Connection                            | Screw-clamp terminals                           |
| Mounting                              | 35 mm DIN rail or plate                         |
| Operating ambient temperature         | -40 to +60 deg C                                |
| Storage ambient temperature           | -60 to +80 deg C                                |
| Product dimensions                    | 45 mm W x 85 mm H x 92 mm D                     |
| Net weight                            | 0.375 kg                                        |
| Standards                             | IEC 60947-1, IEC 60947-4-1 and GB/T 14048.4     |
| Product certifications                | CE, UKCA and CCC                                |

## Product function and system role

### Exact configuration

Schneider Electric LC1D32F7C is a 32 A TeSys Deca contactor with three normally open power poles and a 110 V AC 50/60 Hz coil. The China-market execution carries the documented CCC and GB/T compliance for motor-control panels.

The LC1D32F7C combines a compact three-pole power contactor with a 110 V AC control coil and mechanically linked 1 NO + 1 NC auxiliary contacts. Its 32 A AC-3/AC-3e rating supports three-phase motor switching while the auxiliary pair provides interlocking or state feedback inside the starter circuit.

### Functional role

It closes or interrupts a three-phase motor circuit from a low-power command and supplies auxiliary contact states for permissive or interlock logic.

This order code identifies the TeSys Deca regional execution with screw terminals, a 110 V AC coil and the stated three-pole contact arrangement.

### Key operating characteristics

- Three normally open power poles are rated 32 A for AC-3 and AC-3e duty at up to 440 V.
- A 110 V AC 50/60 Hz coil operates the main contacts and the linked 1 NO + 1 NC auxiliary pair.
- The regional execution is documented to IEC 60947, GB/T 14048.4 and CCC requirements.

## Operating principle and application guidance

### Working principle

This execution covers common panel duties from 7.5 kW at 220/240 V through 15 kW at 380/440 V and 18.5 kW at 500/690 V. Screw-clamp terminals and either DIN-rail or plate mounting allow the device to be integrated into machine, HVAC and process-control assemblies without a separate mounting adapter.

Match the complete suffix, coil supply, motor voltage, coordination type and mounting method before installing the contactor in an existing starter.

### Application scenarios

- Three-phase motor starters in machinery can use the contactor for routine start-stop switching within its AC-3 rating.
- HVAC and pumping panels can use the linked auxiliary contacts for electrical interlocking and run-state feedback.
- Industrial control cabinets can mount the device on a 35 mm rail or plate where screw-clamp field wiring is required.

### Integration and replacement boundary

Selection must be based on the complete LC1D32F7C reference because the C suffix identifies the documented regional execution. Coil voltage, utilization category, protective device coordination, conductor capacity and available panel space should all be verified before a new installation or like-for-like exchange.

### Critical technical check

When LC1D32F7C is replaced, keep the 110 V AC coil code and verify the upstream short-circuit protection against the actual motor duty; a visually similar TeSys Deca contactor may use a different coil or regional certification set.

### Manufacturer evidence used

- Schneider Electric official China product page and product data sheet for LC1D32F7C:  
<https://www.schneider-electric.cn/zh/product/LC1D32F7C/>
- Exact product identity checked: Schneider Electric LC1D32F7C



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