

LC1D50ABD

TeSys Deca LC1D50ABD contactor 50A AC-3 3P with 24V DC coil

|                                   |                                |
|-----------------------------------|--------------------------------|
| BRAND                             | ORDER CODE / PRODUCT REFERENCE |
| Schneider Electric                | LC1D50ABD                      |
| PRODUCT FAMILY                    | CATEGORY                       |
| TeSys Deca                        | Contactor                      |
| SUPPLY BASIS                      | RECORD IDENTITY                |
| RFQ / on request - no stock claim | Catalog identity matched       |

PRODUCT DESCRIPTION

The Schneider Electric TeSys Deca LC1D50ABD contactor is a robust three-pole IEC power contactor designed for reliable motor control and load switching in industrial panels. This versatile component features 3 NO main contacts and an optimal 50 A AC-3 rated operational current at <= 440 V AC. It comes equipped with a 24 V DC standard control coil, ensuring consistent performance, and utilizes secure screw clamp terminals for both power and control circuits. With a rated operational voltage of up to 690 V AC for the power circuit, it efficiently handles motor loads, providing 22 kW at 380/400 V AC 50/60 Hz (AC-3). The LC1D50ABD is suitable for diverse applications in Egypt and the Gulf, including cement production, oil and gas operations, water treatment facilities, food and beverage processing, textiles, and building services. Built for durability, it boasts a mechanical durability of 10 Mcycles and an electrical durability of 1.45 Mcycles for 50 A AC-3 operation. Certified to international standards like IEC 60947-4-1 and bearing CE, UL, CCC, and Marine certifications, this contactor offers high reliability. For a competitive quote on the Schneider Electric LC1D50ABD contactor, please submit your request.

RECORDED SPECIFICATIONS

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Depth                | 120 mm                                                |
| Width                | 55 mm                                                 |
| Height               | 122 mm                                                |
| Standards            | IEC 60947-4-1, IEC 60947-5-1                          |
| Terminal type        | Screw clamp terminals                                 |
| Product weight       | 0.93 kg                                               |
| Coil technology      | Built-in bidirectional peak limiting diode suppressor |
| Poles description    | 3P (3 NO)                                             |
| Official lifecycle   | Current official manufacturer lifecycle evidence      |
| Utilisation category | AC-3, AC-3e, AC-1, AC-4                               |

ADDITIONAL SPECIFICATIONS

|                                           |                                         |
|-------------------------------------------|-----------------------------------------|
| Mechanical durability                     | 10 Mcycles                              |
| Motor power kW (AC-3)                     | 22 kW at 380/400 V AC 50/60 Hz          |
| Product certifications                    | CE, UL, CCC, Marine                     |
| Control circuit voltage                   | 24 V DC                                 |
| IP degree of protection                   | IP20 front face conforming to IEC 60529 |
| Manufacturer part number                  | LC1D50ABD                               |
| Electrical durability (AC-3)              | 1.45 Mcycles 50 A AC-3 at Ue <= 440 V   |
| Auxiliary contact composition             | 1 NO + 1 NC                             |
| Rated operational current (AC-3)          | 50 A (at <60 °C) at <= 440 V AC         |
| Rated operational voltage (Power circuit) | <= 690 V AC                             |
|                                           | -40?60 °C                               |

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.