Product data sheet

Specifications





IEC contactor, TeSys Deca Green, nonreversing, 65A, 40HP at 480VAC, up to 100kA SCCR, 3 phase, 3 NO, 100/250VAC/VDC coil

LC1D65AKUE

Product availability: Stock - Normally stocked in distribution facility

Price*: 144.00 USD

Main

| Range | TeSys TeSys Deca |
|--------------------------------|---|
| Range Of Product | TeSys Deca |
| Product Or Component Type | Contactor |
| Device Short Name | LC1D |
| Contactor Application | Motor control Resistive load |
| Utilisation Category | AC-1 AC-3 AC-3e |
| Poles Description | 3P |
| [Ue] Rated Operational Voltage | Power circuit <= 690 V AC 25400 Hz |
| [le] Rated Operational Current | 80 A (at <140 °F (60 °C)) at <= 440 V AC-1 for power circuit 65 A (at <140 °F (60 °C)) at <= 440 V AC-3 for power circuit 65 A (at <140 °F (60 °C)) at <= 440 V AC-3e for power circuit |
| [Uc] Control Circuit Voltage | 100250 V AC 50/60 Hz 100250 V DC |

Complementary

| Motor Power Kw | 18.5 kW at 220230 V AC 50 Hz (AC-3) | |
|----------------------------|--|--|
| | 30 kW at 380400 V AC 50 Hz (AC-3) | |
| | 37 kW at 415 V AC 50 Hz (AC-3) | |
| | 37 kW at 440 V AC 50 Hz (AC-3) | |
| | 37 kW at 500 V AC 50 Hz (AC-3) | |
| | 37 kW at 660690 V AC 50 Hz (AC-3) | |
| | 18.5 kW at 220230 V AC 50 Hz (AC-3e) | |
| | 30 kW at 380400 V AC 50 Hz (AC-3e) | |
| | 37 kW at 415 V AC 50 Hz (AC-3e) | |
| | 37 kW at 440 V AC 50 Hz (AC-3e) | |
| | 37 kW at 500 V AC 50 Hz (AC-3e) | |
| | 37 kW at 660690 V AC 50 Hz (AC-3e) | |
| Maximum Horse Power Rating | 5 hp at 115 V AC 60 Hz for 1 phase motors | |
| | 10 hp at 230/240 V AC 60 Hz for 1 phase motors | |
| | 20 hp at 200/208 V AC 60 Hz for 3 phase motors | |
| | 20 hp at 230/240 V AC 60 Hz for 3 phase motors | |
| | 40 hp at 460/480 V AC 60 Hz for 3 phase motors | |
| | 50 hp at 575/600 V AC 60 Hz for 3 phase motors | |
| Compatibility Code | LC1D | |
| Pole Contact Composition | 3 NO | |
| | | |

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

| Protective Cover | With |
|--|--|
| [Ith] Conventional Free Air Thermal Current | 80 A (at 140 °F (60 °C)) for power circuit 10 A (at 140 °F (60 °C)) for signalling circuit |
| Irms Rated Making Capacity | 1000 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 |
| Rated Breaking Capacity | 1000 A at 440 V for power circuit conforming to IEC 60947 |
| [lcw] Rated Short-Time Withstand Current | 110 A 104 °F (40 °C) - 10 min for power circuit 260 A 104 °F (40 °C) - 1 min for power circuit 640 A 104 °F (40 °C) - 10 s for power circuit 900 A 104 °F (40 °C) - 1 s for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit |
| Associated Fuse Rating | 125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit 10 A gG for signalling circuit conforming to IEC 60947-5-1 |
| Average Impedance | 1.5 mOhm - Ith 80 A 50 Hz for power circuit |
| Power Dissipation Per Pole | 9.6 W AC-1 6.3 W AC-3 6.3 W AC-3e |
| [Ui] Rated Insulation Voltage | Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1 |
| Overvoltage Category | III |
| Pollution Degree | 3 |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV IEC 60947 |
| Safety Reliability Level | B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Mechanical Durability | 6 Mcycles |
| Electrical Durability | 1.8 Mcycles 57 A AC-3 <= 440 V 0.5 Mcycles 80 A AC-1 <= 440 V 1.8 Mcycles 57 A AC-3e <= 440 V |
| Control Circuit Type | AC/DC 50/60 Hz AC/DC electronic |
| Coil Technology | Built-in bidirectional peak limiting |
| Control Circuit Voltage Limits | <= 0.1 Uc -40158 °F (-4070 °C) drop-out AC/DC 0.851.1 Uc -40140 °F (-4060 °C) operational AC/DC 11.1 Uc 140158 °F (6070 °C) operational AC/DC |
| Inrush Power In Va | 18 VA 50/60 Hz (at 68 °F (20 °C)) |
| Inrush Power In W | 14 W 68 °F (20 °C)) |
| Hold-In Power Consumption In Va | 1.8 VA 50/60 Hz (at 68 °F (20 °C)) |
| Hold-In Power Consumption In W | 1.2 W 68 °F (20 °C) |
| Heat Dissipation | 1.2 W at 50/60 Hz |
| Operating Time | 5565 ms closing 20120 ms opening >= 17221) 2080 ms opening >= 18011) |
| Maximum Operating Rate | 3600 cyc/h 140 °F (60 °C) |

| Operating Altitude | 09842.52 ft (03000 m) | |
|-----------------------|---|--|
| Fire Resistance | 1562 °F (850 °C) IEC 60695-2-1 | |
| Flame Retardance | V1 conforming to UL 94 | |
| Mechanical Robustness | Vibrations contactor open 2 Gn, 5300 Hz) Vibrations contactor closed 4 Gn, 5300 Hz) Shocks contactor open 10 Gn for 11 ms) Shocks contactor closed 15 Gn for 11 ms) | |
| Height | 4.80 in (122 mm) | |
| Width | 2.17 in (55 mm) | |
| Depth | 4.72 in (120 mm) | |
| Net Weight | 2.21 lb(US) (1.002 kg) | |

Ordering and shipping details

| Category | US10I1222356 |
|-------------------|---------------|
| Discount Schedule | 0112 |
| Gtin | 3606480988288 |
| Returnability | Yes |
| Country Of Origin | FR |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|-------------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.36 in (6.000 cm) |
| Package 1 Width | 5.43 in (13.800 cm) |
| Package 1 Length | 5.98 in (15.200 cm) |
| Package 1 Weight | 2.33 lb(US) (1.055 kg) |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 9 |
| Package 2 Height | 5.91 in (15.000 cm) |
| Package 2 Width | 11.81 in (30.000 cm) |
| Package 2 Length | 15.75 in (40.000 cm) |
| Package 2 Weight | 21.60 lb(US) (9.797 kg) |

Contractual warranty

Warranty 18 months



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Certifications & Standards

| Reach Regulation | REACh Declaration |
|---------------------------------|--|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Circularity Profile | End of Life Information |