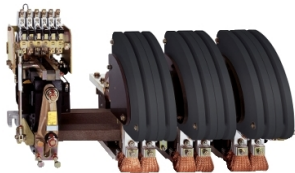


Product datasheet

Specifications



bar-mounted contactor - TeSys LC1-BP - 3 poles - AC-3 440V 1500 A - coil 110V AC

LC1BP33F22

⚠ Discontinued on: 4 Oct 2021

⚠ Discontinued

Main

| | |
|--------------------------------|---|
| Range | TeSys |
| Product Name | TeSys B |
| Product Or Component Type | Contactors |
| Device Short Name | LC1BP |
| Contactors Application | Motor-heating-lighting |
| Utilisation Category | AC-3 AC-4 AC-1 |
| Control Circuit Type | AC |
| Coil Type | Standard |
| Poles Description | 3P |
| Pole Contact Composition | 3 NO |
| [Ie] Rated Operational Current | 2000 A (at <40 °C) AC AC-1 for power circuit 1500 A (at <55 °C) AC AC-3 for power circuit |
| Motor Power Kw | 425 kW at 220...230 V AC 50/60 Hz (AC-3) 670 kW at 1000 V AC 50/60 Hz (AC-3) 700 kW at 500 V AC 50/60 Hz (AC-3) 750 kW at 380...400 V AC 50/60 Hz (AC-3) 750 kW at 660...690 V AC 50/60 Hz (AC-3) 800 kW at 415 V AC 50/60 Hz (AC-3) 800 kW at 440 V AC 50/60 Hz (AC-3) 220 kW at 400 V AC 50/60 Hz (AC-4) |
| Auxiliary Contact Composition | 2 NO + 2 NC |
| [Uc] Control Circuit Voltage | 110 V AC 50/60 Hz |

Complementary

| | |
|--------------------------------|---|
| Control Circuit Voltage Limits | Operational: 0.85...1.1 Uc at 50/60 Hz Drop-out: 0.35...0.5 Uc at 50/60 Hz |
| [Ui] Rated Insulation Voltage | 1000 V - for power circuit conforming to IEC 60158-1 1000 V - for power circuit conforming to IEC 60947-4 1500 V - for power circuit conforming to VDE 0110 group C |
| Mounting Mode | Fixed |
| Mounting Support | Notched mounting rails Bar support bracket |
| Connections - Terminals | Power circuit: bolted connection |
| Tightening Torque | Power circuit: 35 N.m - on bars |
| [Ue] Rated Operational Voltage | Power circuit: <= 1000 V AC 50/60 Hz |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|--|--|
| [Ith] Conventional Free Air Thermal Current | 2000 A (at 40 °C) for power circuit |
| Irms Rated Making Capacity | 15000 A at 1000 V AC for power circuit conforming to IEC 60158-1 15000 A at 1000 V AC for power circuit conforming to IEC 60947-4 |
| Rated Breaking Capacity | 12000 A at 500 V for power circuit conforming to IEC 60158-1 12000 A at 500 V for power circuit conforming to IEC 60947-4 15000 A at 440 V for power circuit conforming to IEC 60158-1 15000 A at 440 V for power circuit conforming to IEC 60947-4 5000 A at 1000 V for power circuit conforming to IEC 60158-1 5000 A at 1000 V for power circuit conforming to IEC 60947-4 9000 A at 660...690 V for power circuit conforming to IEC 60158-1 9000 A at 660...690 V for power circuit conforming to IEC 60947-4 |
| Associated Fuse Rating | 1600 A aM at <= 440 V for power circuit 2000 A gI at <= 440 V for power circuit |
| Average Impedance | 0.13 mOhm - Ith 2000 A 50 Hz for power circuit |
| Power Dissipation Per Pole | 290 W AC-3 - Ith 2000 A 520 W AC-1 - Ith 2000 A |
| Inrush Power In Va | 1300 VA |
| Hold-In Power Consumption In Va | 31 VA 50/60 Hz |
| Operating Time | 100...150 ms closing 50...100 ms opening |
| Mechanical Durability | 1200000 cycles |
| Maximum Operating Rate | 120 cyc/h 55 °C |
| Height | 490 mm |
| Width | 790 mm |
| Depth | 475 mm |
| Net Weight | 94 kg |

Environment

| | |
|--|--|
| Standards | NF C 63-110 IEC 60158-1 BS 5424 VDE 0660 IEC 60947-4 |
| Product Certifications | CSA RINA BV |
| Protective Treatment | TC TH |
| Ambient Air Temperature For Operation | -5...55 °C |
| Ambient Air Temperature For Storage | -60...80 °C |
| Operating Altitude | 3000 m without derating |

Packing Units

| | |
|-------------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 52 cm |
| Package 1 Width | 58 cm |
| Package 1 Length | 89 cm |
| Package 1 Weight | 101 kg |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

Well-being performance

| | |
|--|---|
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |