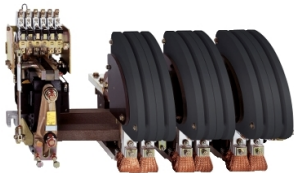


# Product datasheet

Specifications



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

LC1BP33FD22

 **Discontinued on:** Jan 23, 2021 AD

 **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-1 AC-3
Control Circuit Type	DC
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 670 kW at 1000 V AC 50/60 Hz 700 kW at 500 V AC 50/60 Hz 750 kW at 380...400 V AC 50/60 Hz 750 kW at 660...690 V AC 50/60 Hz 800 kW at 415 V AC 50/60 Hz 800 kW at 440 V AC 50/60 Hz
Auxiliary Contact Composition	2 NO + 2 NC
[Uc] Control Circuit Voltage	110 V DC

### Complementary

Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc Drop-out: 0.35...0.5 Uc
[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	Bar support bracket Notched mounting rails
Connections - Terminals	Power circuit: bars 3 x - busbar cross section: 100 x 5 mm
Tightening Torque	Power circuit: 35 N.m - on bars
[Ue] Rated Operational Voltage	Power circuit: <= 1000 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	2000 A (at 40 °C) for power circuit

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

<b>Irms Rated Making Capacity</b>	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
<b>Rated Breaking Capacity</b>	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
<b>Associated Fuse Rating</b>	1600 A aM at <= 440 V for power circuit 2000 A gI at <= 440 V for power circuit
<b>Average Impedance</b>	0.13 mOhm - lth 2000 A 50 Hz for power circuit
<b>Power Dissipation Per Pole</b>	290 W AC-3 - lth 2000 A 520 W AC-1 - lth 2000 A
<b>Inrush Power In W</b>	1100 W
<b>Hold-In Power Consumption In W</b>	31 W
<b>Operating Time</b>	100...150 ms closing 20...40 ms opening
<b>Mechanical Durability</b>	1200000 cycles
<b>Maximum Operating Rate</b>	120 cyc/h 55 °C
<b>Height</b>	490 mm
<b>Width</b>	790 mm
<b>Depth</b>	475 mm
<b>Net Weight</b>	94 kg

## Environment

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

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	60 cm
<b>Package 1 Width</b>	90 cm
<b>Package 1 Length</b>	53 cm
<b>Package 1 Weight</b>	72 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-CO<sub>2</sub> 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 >](#)

### Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

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