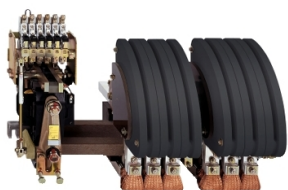


Product data sheet

Specifications



bar-mounted contactor - TeSys LC1-BR -2 poles - AC-1 1000V 2750 A - coil 240 VAC

LC1BR32U31

⚠ Discontinued on: May 11, 2020

⚠ Discontinued

Main

| | |
|--------------------------------|--|
| Range | TeSys |
| Product Name | TeSys B |
| Product Or Component Type | Contactors |
| Device Short Name | LC1BR |
| Contactors Application | Motor-heating-lighting |
| Utilisation Category | AC-1 |
| Control Circuit Type | AC |
| Coil Type | Standard |
| Poles Description | 2P |
| Pole Contact Composition | 2 NO |
| [Ie] Rated Operational Current | 2750 A (at <40 °C) AC AC-1 for power circuit |
| Auxiliary Contact Composition | 3 NO + 1 NC |
| [Uc] Control Circuit Voltage | 240 V AC 50...400 Hz |

Complementary

| | |
|---|---|
| Protective Cover | With |
| Auxiliary Contacts Type | type instantaneous 3 NO + 1 NC |
| Control Circuit Voltage Limits | Operational: 0.85...1.1 Uc Drop-out: 0.4...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 |
| Connections - Terminals | Power circuit: bars 4 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 | 2750 A (at 40 °C) for power circuit |
| Irms Rated Making Capacity | 18000 A at 1000 V AC for power circuit conforming to IEC 60158-1 18000 A at 1000 V AC for power circuit conforming to IEC 60947-4 |

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

| | |
|---------------------------------|--|
| Rated Breaking Capacity | 11000 A at 660...690 V for power circuit conforming to IEC 60158-1 11000 A at 660...690 V for power circuit conforming to IEC 60947-4 15000 A at 500 V for power circuit conforming to IEC 60158-1 15000 A at 500 V for power circuit conforming to IEC 60947-4 18000 A at 440 V for power circuit conforming to IEC 60158-1 18000 A at 440 V for power circuit conforming to IEC 60947-4 6000 A at 1000 V for power circuit conforming to IEC 60158-1 6000 A at 1000 V for power circuit conforming to IEC 60947-4 |
| Associated Fuse Rating | 2000 A aM at <= 440 V for power circuit 2400 A gI at <= 440 V for power circuit |
| Average Impedance | 0.09 mOhm - Ith 2750 A 50 Hz for power circuit |
| Power Dissipation Per Pole | 680 W AC-1 - Ith 2750 A |
| Inrush Power In Va | 1000 VA |
| Hold-In Power Consumption In Va | 20 VA |
| Operating Time | 100...150 ms closing 20...40 ms opening |
| Mechanical Durability | 1200000 cycles |
| Maximum Operating Rate | 120 cyc/h 55 °C |
| Rated Operational Power In Va | 2000 VA at 110...127 V AC-1 - electrical durability: 1000000 cycles - for control circuit 3500 VA at 500 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 220 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 380 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 415...440 V AC-1 - electrical durability: 1000000 cycles - for control circuit |
| Rated Operational Power In W | 200 W at 500 V AC - electrical durability: 1000000 cycles - for control circuit 230 W at 440 V AC - electrical durability: 1000000 cycles - for control circuit 250 W at 110 V AC - electrical durability: 1000000 cycles - for control circuit 250 W at 220 V AC - electrical durability: 1000000 cycles - for control circuit |
| Height | 555 mm |
| Width | 475 mm |
| Depth | 665 mm |
| Net Weight | 52 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | VDE 0660 IEC 60947-4 NF C 63-110 IEC 60158-1 BS 5424 |
| Product Certifications | RINA CSA 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 | 67 cm |
| Package 1 Weight | 92 kg |

Contractual warranty

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