LC1BR31M31

bar-mountedcontactor-TeSysLC1-BR-1P-AC-11000V2750A-coil220VAC



Commercial status

End of Commercialisation:

Main

| Range | TeSys | |
|--------------------------------|--|--|
| Product name | TeSys B | |
| Product or component type | Contactor | |
| Device short name | LC1BR | |
| Contactor application | Motor-heating-lighting | |
| Utilisation category | AC-1 | |
| Control circuit type | AC | |
| Coil type | Standard | |
| Poles description | 1P | |
| Pole contact composition | 1 NO | |
| [le] 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 | 220 V AC 50400 Hz | |

Complementary

| Protective cover | With |
|---|---|
| Auxiliary contacts type | Type instantaneous 3 NO + 1 NC |
| Control circuit voltage limits | Operational: 0.851.1 Uc Drop-out: 0.40.5 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 |
| Rated breaking capacity | 11000 A at 660690 V for power circuit conforming to IEC 60158-1 11000 A at 660690 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interneted as a substitute for and is not to be used for determining suitability or reliability of these products by especific user applications. It is the douty of any sub user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substitiaries shall be responsible or liable for misuse of the information contained herein.

| Power dissipation per pole | 680 W AC-1 - Ith 2750 A | |
|---------------------------------|---|--|
| Inrush power in VA | 620 VA | |
| Hold-in power consumption in VA | 10 VA | |
| Operating time | 100150 ms closing 2040 ms opening | |
| Mechanical durability | 1200000 Cycles | |
| Maximum operating rate | 120 Cyc/H 55 °C | |
| Rated operational power in VA | 2000 VA at 110127 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 415440 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 | 475 Mm | |
| Net weight | 52 Kg | |

Environment

| 2.17.1.01.11.01.11 | |
|---------------------------------------|--|
| Standards | IEC 60158-1 NF C 63-110 BS 5424 IEC 60947-4 VDE 0660 |
| Product certifications | CSA BV RINA |
| Protective treatment | TC TH |
| Ambient air temperature for operation | -555 °C |
| Ambient air temperature for storage | -6080 °C |
| Operating altitude | 3000 m without |
| | |

Contractual warranty

Warranty 18 months

Product Life Status : End of commercialisation

