

Product datasheet

Specifications



bar-mounted contactor-TeSys LC1-BR-1P-AC-11000V2750A-coil127VAC

LC1BR31G13

⚠ Discontinued on: May 11, 2020 AD

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Main

Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	LC1BR
Contacteur application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	AC
Coil type	Standard
Poles description	1P
Pole contact composition	1 NO
[Ie] rated operational current	2750 A (at <40 °C) AC AC-1 for power circuit
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	127 V AC 50...400 Hz

Complementary

Protective cover	With
Auxiliary contacts type	type instantaneous 1 NO + 3 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
Rms 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 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	620 VA
Hold-in power consumption in VA	10 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	475 mm
Product weight	52 kg

Environment

Standards	NF C 63-110 BS 5424 IEC 60947-4 VDE 0660 IEC 60158-1
Product certifications	CSA BV RINA
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	59.5 kg



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins