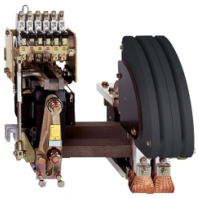
Product datasheet

Specifications



bar-mountedcontactor-TeSysLC1-BP-1P-AC-11000V2000A-coil220VAC

LC1BP31M13

Discontinued

Main

Range	TeSys
Product name	TeSys B
Product or component type	Contactor
Device short name	LC1BP
Contactor 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	2000 A (at <40 °C) AC AC-1 for power circuit
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	220 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: 0.35...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
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
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	520 W AC-1 - Ith 2000 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	500 mm
Width	475 mm
Depth	415 mm
Product weight	41 kg

Environment

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

Contractual warranty

Warranty (in months)	18

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