Product data sheet

Specifications

bar-mountedcontactor-TeSysLC1-BL-2poles-AC-11000V800A-coil220VAC

LC1BL32M31

Discontinued

Main

Range	TeSys
Product name	TeSys B
Product or Component Type	Contactor
Device short name	LC1BL
Contactor 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	800 A (at <104 °F (40 °C)) AC AC-1 for power circuit
Auxiliary contact composition	3 NO + 1 NC
[Uc] control circuit voltage	220 V AC 50...400 Hz

Complementary

Protective cover	With
Auxiliary contacts type	Instantaneous 3 NO + 1 NC
Control circuit voltage limits	Drop-out: 0.3...0.5 Uc Operational: 0.85...1.1 Uc
[Ui] rated insulation voltage	1000 V - power circuit IEC 60158-1 1000 V - power circuit IEC 60947-4 1500 V - power circuit VDE 0110 group C
Tightening torque	Power circuit 185.9 lbf.in (21 N.m) bars
[Ue] rated operational voltage	Power circuit <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	800 A (at 104 °F (40 °C)) for power circuit
Irms rated making capacity	10000 A at 1000 V AC for power circuit conforming to IEC 60158-1 10000 A at 1000 V AC for power circuit conforming to IEC 60947-4
Rated breaking capacity	10000 A at 440 V for power circuit conforming to IEC 60158-1 10000 A at 440 V for power circuit conforming to IEC 60947-4 4000 A at 1000 V for power circuit conforming to IEC 60158-1 4000 A at 1000 V for power circuit conforming to IEC 60947-4 8000 A at 660...690 V for power circuit conforming to IEC 60158-1 8000 A at 660...690 V for power circuit conforming to IEC 60947-4 9000 A at 500 V for power circuit conforming to IEC 60158-1 9000 A at 500 V for power circuit conforming to IEC 60947-4

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Associated fuse rating	1000 A gI at <= 440 V for power circuit 800 A aM at <= 440 V for power circuit 800 A gI at <= 440 V for power circuit
Average impedance	0.18 mOhm - Ith 800 A 50 Hz for power circuit
Power dissipation per pole	115 W AC-1 - Ith 800 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 131 °F (55 °C)
Rated operational power in VA	2000 VA 110…127 V AC-1 1000000 cycles - control circuit 3500 VA 500 V AC-1 1000000 cycles - control circuit 4000 VA 220 V AC-1 1000000 cycles - control circuit 4000 VA 380 V AC-1 1000000 cycles - control circuit 4000 VA 415…440 V AC-1 1000000 cycles - control circuit
Rated operational power in W	200 W 500 V AC 1000000 cycles - control circuit 230 W 440 V AC 1000000 cycles - control circuit 250 W 110 V AC 1000000 cycles - control circuit 250 W 220 V AC 1000000 cycles - control circuit
Height	19.1 in (486 mm)
Width	18.7 in (475 mm)
Depth	18.7 in (475 mm)
Net Weight	70.5 lb(US) (32 kg)

Environment

Standards	VDE 0660 NF C 63-110 BS 5424 IEC 60158-1 IEC 60947-4
Product Certifications	RINA CSA BV
Protective treatment	TC TH
Ambient Air Temperature for Operation	23…131 °F (-5…55 °C)
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Operating altitude	9842.52 ft (3000 m) without derating

Ordering and shipping details

Category	18402-WORLD SERVICE PARTS(CONTROL ACCESS)
Discount Schedule	CP10
GTIN	3606485329277
Returnability	No

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.