

Product data sheet

Specifications



bar-mounted contactor - TeSys LC1 - BL - 2 poles - AC-1 440V 800A - coil 127VAC

LC1BL32G31

⚠ Discontinued on: Jul 12, 2021

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Main

Range	TeSys
Product name	TeSys B
Product or Component Type	Contactors
Device short name	LC1BL
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	800 A (at <104 °F (40 °C)) AC AC-1 for power circuit
Auxiliary contact composition	3 NO + 1 NC
[Uc] control circuit voltage	127 V AC 50...400 Hz

Complementary

Control circuit voltage limits	Drop-out: 0.3...0.5 U _c at 50...400 Hz Operational: 0.85...1.1 U _c at 50...400 Hz
[U _i] 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
Mounting Mode	Fixed
Mounting Support	Bar support bracket Notched mounting rails
Tightening torque	Power circuit 185.9 lbf.in (21 N.m) bars
[U _e] rated operational voltage	Power circuit <= 1000 V AC 50/60 Hz
[I _{th}] conventional free air thermal current	800 A (at 104 °F (40 °C)) for power circuit
I _{rms} 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 gl at <= 440 V for power circuit 800 A aM at <= 440 V for power circuit 800 A gl at <= 440 V for power circuit
Average impedance	0.18 mOhm - lth 800 A 50 Hz for power circuit
Power dissipation per pole	115 W AC-1 - lth 800 A
Inrush power in VA	1000 VA
Hold-in power consumption in VA	20 VA 50/60 Hz
Operating time	100...150 ms closing 50...100 ms opening
Mechanical durability	1200000 cycles
Maximum operating rate	120 cyc/h 131 °F (55 °C)
Height	19.1 in (486 mm)
Width	18.7 in (475 mm)
Depth	18.7 in (475 mm)
Net Weight	99.2 lb(US) (45 kg)

Environment

Standards	IEC 60158-1 BS 5424 IEC 60947-4 VDE 0660 NF C 63-110
Product Certifications	BV RINA CSA
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	3606485329307
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	20.5 in (52 cm)
Package 1 Width	22.8 in (58 cm)
Package 1 Length	26.4 in (67 cm)
Package weight(Lbs)	114.6 lb(US) (52 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.