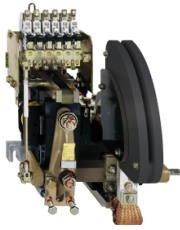


# Product data sheet

Specifications



## bar-mounted contactor-TeSys LC1-BM-1P-AC-1 1000V 1250A-coil 220VAC

LC1BM31G22

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

### Main

Range	TeSys
Product name	TeSys B
Product or Component Type	Contactors
Device short name	LC1BM
Contactors 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	1250 A (at <104 °F (40 °C)) AC AC-1 for power circuit
Auxiliary contact composition	2 NO + 2 NC
[Uc] control circuit voltage	127 V AC 50...400 Hz

### Complementary

Protective cover	With
Auxiliary contacts type	Instantaneous 2 NO + 2 NC
Control circuit voltage limits	Drop-out: 0.3...0.5 U <sub>c</sub> Operational: 0.85...1.1 U <sub>c</sub>
[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 309.8 lbf.in (35 N.m) bars
[Ue] rated operational voltage	Power circuit <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	1250 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.

<b>Associated fuse rating</b>	1200 A aM at ≤ 440 V for power circuit 1200 A gI at ≤ 440 V for power circuit 1500 A gI at ≤ 440 V for power circuit
<b>Average impedance</b>	0.18 mOhm - Ith 1250 A 50 Hz for power circuit
<b>Power dissipation per pole</b>	280 W AC-1 - Ith 1250 A
<b>Inrush power in VA</b>	620 VA
<b>Hold-in power consumption in VA</b>	10 VA
<b>Operating time</b>	100...150 ms closing 20...40 ms opening
<b>Mechanical durability</b>	1200000 cycles
<b>Maximum operating rate</b>	120 cyc/h 131 °F (55 °C)
<b>Rated operational power in VA</b>	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
<b>Rated operational power in W</b>	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
<b>Height</b>	19.7 in (500 mm)
<b>Width</b>	18.7 in (475 mm)
<b>Depth</b>	14.8 in (375 mm)
<b>Net Weight</b>	68.3 lb(US) (31 kg)

## Environment

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

## Ordering and shipping details

<b>Category</b>	18402-WORLD SERVICE PARTS(CONTROL ACCESS)
<b>Discount Schedule</b>	CP10
<b>GTIN</b>	3389118373327
<b>Returnability</b>	No

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	20.5 in (52 cm)

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<b>Package 1 Width</b>	22.8 in (58 cm)
<b>Package 1 Length</b>	26.4 in (67 cm)
<b>Package weight(Lbs)</b>	84.9 lb(US) (38.5 kg)

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## 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.