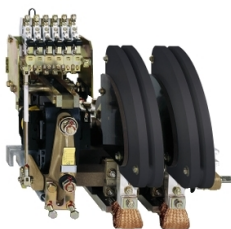


Product datasheet

Specifications



bar-mounted contactor - TeSys LC1-BM - 2 poles - AC-1 440V 1250 A - coil 110V AC

LC1BM32F22

⚠ Discontinued on: 12 Dec 2017

⚠ End-of-service on: 28 Sept 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	2P
Pole Contact Composition	2 NO
[Ie] Rated Operational Current	1250 A (at <40 °C) AC AC-1 for power circuit
Auxiliary Contact Composition	2 NO + 2 NC
[Uc] Control Circuit Voltage	110 V AC 50...400 Hz

Complementary

Control Circuit Voltage Limits	Drop-out: 0.3...0.5 Uc at 50...400 Hz Operational: 0.85...1.1 Uc at 50...400 Hz
[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
Mounting Mode	Fixed
Mounting Support	Bar support bracket Notched mounting rails
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	1250 A (at 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
Associated Fuse Rating	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
Average Impedance	0.18 mOhm - lth 1250 A 50 Hz for power circuit
Power Dissipation Per Pole	280 W AC-1 - lth 1250 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 55 °C
Height	490 mm
Width	475 mm
Depth	475 mm
Net Weight	44 kg

Environment

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

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	51 kg

Contractual warranty

Warranty	18 months
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Sustainability


Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

Well-being performance

 Mercury Free

Eu Rohs Directive	Under investigation
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins