

Product data sheet

Specifications



TeSys B bar-mounted contactor - 4 poles - AC-1 440V 1250 A - coil 220V AC

LC1BM34M22

⚠ Discontinued on: Sep 28, 2021

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Main

Range	TeSys
Product name	TeSys B
Product or Component Type	Contactor
Device short name	LC1BM
Contactor application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	AC
Coil type	Standard
Poles description	4P
Pole contact composition	4 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	220 V AC 60 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 - 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
Connections - terminals	bolted connection
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

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

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

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	1600 VA
Hold-in power consumption in VA	47 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	19.3 in (490 mm)
Width	31.1 in (790 mm)
Depth	18.7 in (475 mm)
Net Weight	156.5 lb(US) (71 kg)

Environment

Standards	BS 5424 VDE 0660 IEC 60947-4 NF C 63-110 IEC 60158-1
Product Certifications	RINA BV 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	3389110103168
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	35.04 in (89 cm)
Package weight(Lbs)	174.2 lb(US) (79 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 Better

Materials and Substances	
EU RoHS Directive	Under investigation

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.