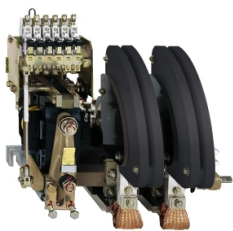# Product data sheet

Specifications

TeSys B bar-mounted contactor - 2 poles - AC-1 440V 800 A - coil 220V AC

LC1BL32M22

⚠ Discontinued on: Sep 28, 2021

⚠ **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 <40 °C) AC AC-1 for power circuit
Auxiliary Contact Composition	2 NO + 2 NC
[Uc] Control Circuit Voltage	220 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
Connections - Terminals	Bolted connection
Tightening Torque	Power circuit: 21 N.m - on bars
[Ue] Rated Operational Voltage	Power circuit: <= 1000 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	800 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

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	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 - 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 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	486 mm
Width	475 mm
Depth	475 mm
Net Weight	45 kg

Environment

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

Contractual warranty

Warranty	18 months

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Learn more about Green Premium 〉

Guide to assess a product's sustainability 〉

Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
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