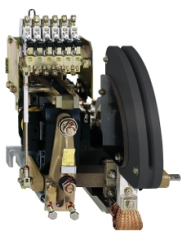


# Product data sheet

Specifications



## bar-mounted contactor - TeSys LC1-BL - 1 pole - AC-1 440V 800 A - coil 500V AC

LC1BL31S13

 **Discontinued on:** Sep 28, 2021

 **Discontinued**

### 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	1P
Pole Contact Composition	1 NO
[Ie] Rated Operational Current	800 A (at <40 °C) AC AC-1 for power circuit
Auxiliary Contact Composition	1 NO + 3 NC
[Uc] Control Circuit Voltage	500 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: 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

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

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	620 VA
Hold-In Power Consumption In Va	10 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	375 mm
Depth	475 mm
Net Weight	32 kg

## Environment

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

## Contractual warranty

Warranty	18 months
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