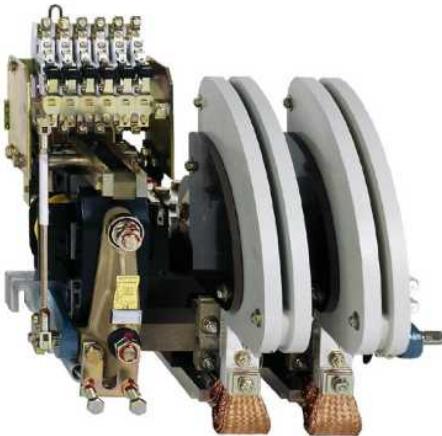


Product data sheet

Characteristics

LC1BL31R31

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



Main

Range of product	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	1P
Pole contact composition	1 NO
[In] rated current	800 A (<= 40 °C) AC network AC-1 for power circuit
Auxiliary contact composition	3 NO + 1 NC
[Uc] control circuit voltage	440 V AC 50...400 Hz

Complementary

Control circuit voltage limits	0.85...1.1 Uc operational 50...400 Hz 0.3...0.5 Uc drop-out 50...400 Hz
[Ui] rated insulation voltage	1500 V - for power circuit - conforming to VDE 0110 group C 1000 V - for power circuit - conforming to IEC 60947-4 1000 V - for power circuit - conforming to IEC 60158-1
Mounting mode	Fixed
Mounting support	Bar support bracket Notched mounting rails
Tightening torque	Power circuit: 21 N.m - on bars
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit
[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 60947-4 10000 A at 1000 V AC for power circuit conforming to IEC 60158-1
Rated breaking capacity	9000 A at 500 V for power circuit conforming to IEC 60947-4 9000 A at 500 V for power circuit conforming to IEC 60158-1 8000 A at 660...690 V for power circuit conforming to IEC 60947-4 8000 A at 660...690 V for power circuit conforming to IEC 60158-1 4000 A at 1000 V for power circuit conforming to IEC 60947-4 4000 A at 1000 V for power circuit conforming to IEC 60158-1 10000 A at 440 V for power circuit conforming to IEC 60947-4 10000 A at 440 V for power circuit conforming to IEC 60158-1
Associated fuse rating	800 A gl at <= 440 V for power circuit 800 A aM at <= 440 V for power circuit 1000 A gl at <= 440 V for power circuit
Average impedance	0.18 mOhm at 50 Hz - Ith 800 A for power circuit
Power dissipation per pole	115 W AC-1 - Ith 800 A
Inrush power in VA	620 VA
Hold-in power consumption in VA	10 VA 50/60 Hz
Operating time	50...100 ms opening 100...150 ms closing
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h at <= 55 °C
Height	486 mm
Width	375 mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Depth	475 mm
Product weight	32 kg

Environment

Standards	BS 5424 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660
Product certifications	BV CSA RINA
Protective treatment	TH TC
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature

Contractual warranty

Period	18 months
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