

## 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	DC
Coil type	Standard
Poles description	4P
Pole contact composition	4 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	110 V DC

## Complementary

Control circuit voltage limits	Drop-out: 0.3...0.5 U <sub>c</sub> Operational: 0.85...1.1 U <sub>c</sub>
[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
[I <sub>th</sub> ] conventional free air thermal current	800 A (at 40 °C) for power circuit
I <sub>rms</sub> 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 gI at ≤ 440 V for power circuit 800 A aM at ≤ 440 V for power circuit 800 A gI at ≤ 440 V for power circuit
Average impedance	0.18 MOhm - I <sub>th</sub> 800 A 50 Hz for power circuit
Power dissipation per pole	115 W AC-1 - I <sub>th</sub> 800 A
Inrush power in W	1400 W
Hold-in power consumption in W	47 W
Operating time	100...150 ms closing 20...40 ms opening
Mechanical durability	1200000 Cycles
Maximum operating rate	120 Cyc/H 55 °C
Height	486 Mm
Width	790 Mm
Depth	475 Mm
Net weight	72 Kg

## Environment

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

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**