



### Main

Range of product	TeSys B
Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	LC1BL
Contacteur application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	DC
Coil type	Standard
Poles description	1P
Pole contact composition	1 NO
[Ie] rated operational current	800 A ( $\leq 40$ °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	0.3...0.5 U <sub>c</sub> drop-out 0.85...1.1 U <sub>c</sub> operational
[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
[U <sub>e</sub> ] rated operational voltage	$\leq 1000$ V AC 50/60 Hz for power circuit
[I <sub>th</sub> ] conventional free air thermal current	800 A at $\leq 40$ °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

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 at 50 Hz - Ith 800 A for power circuit
Power dissipation per pole	115 W AC-1 - Ith 800 A
Inrush power in W	520 W
Hold-in power consumption in W	10 W
Operating time	100...150 ms closing 20...40 ms opening
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h at <= 55 °C
Terminals description ISO n°1	(41-42)NC
Height	486 mm
Width	375 mm
Depth	475 mm
Product weight	32 kg
Compatibility code	LC1BL

## Environment

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

## Contractual warranty

Warranty period	18 months
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