

## Main

Range	TeSys
Product name	TeSys B
Product or component type	Contactor
Device short name	LC1BR
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	2750 A (at <40 °C) AC AC-1for power circuit
Auxiliary contact composition	2 NO + 2 NC
[Uc] control circuit voltage	220 V DC

## Complementary

Control circuit voltage limits	Drop-out: 0.4...0.5 Uc Operational: 0.85...1.1 Ucw
[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	Power circuit: bars 4 x - busbar cross section: 100 x 5 mm
Tightening torque	Power circuit: 35 N.m - on bars
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	2750 A (at 40 °C)for power circuit
Irms rated making capacity	18000 A at 1000 V ACfor power circuit conforming to IEC 60158-1 18000 A at 1000 V ACfor power circuit conforming to IEC 60947-4
Rated breaking capacity	11000 A at 660...690 Vfor power circuit conforming to IEC 60158-1 11000 A at 660...690 Vfor power circuit conforming to IEC 60947-4 15000 A at 500 Vfor power circuit conforming to IEC 60158-1 15000 A at 500 Vfor power circuit conforming to IEC 60947-4 18000 A at 440 Vfor power circuit conforming to IEC 60158-1 18000 A at 440 Vfor power circuit conforming to IEC 60947-4 6000 A at 1000 Vfor power circuit conforming to IEC 60158-1 6000 A at 1000 Vfor power circuit conforming to IEC 60947-4
Associated fuse rating	2000 A aM at <= 440 Vfor power circuit 2400 A gI at <= 440 Vfor power circuit
Average impedance	0.09 MOhm - Ith 2750 A 50 Hzfor power circuit
Power dissipation per pole	680 W AC-1 - Ith 2750 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	495 Mm
Width	1095 Mm
Depth	475 Mm
Net weight	160 Kg

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## Environment

Standards	IEC 60158-1 NF C 63-110 VDE 0660 BS 5424 IEC 60947-4
Product certifications	CSA RINA 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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Product Life Status : **Commercialised**