



Main

Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	LC1BR
Contacteur application	Motor-heating-lighting
Utilisation category	AC-3 AC-1
Control circuit type	DC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	2750 A (at <40 °C) AC AC-1 for power circuit 1800 A (at <40 °C) AC AC-3 for power circuit
Motor power kW	500 kW at 220...230 V AC 50/60 Hz 750 kW at 1000 V AC 50/60 Hz 900 kW at 380...400 V AC 50/60 Hz 900 kW at 415 V AC 50/60 Hz 900 kW at 440 V AC 50/60 Hz 900 kW at 500 V AC 50/60 Hz 900 kW at 660...690 V AC 50/60 Hz
Auxiliary contact composition	2 NO + 2 NC
[Uc] control circuit voltage	48 V DC

Complementary

Protective cover	With
Auxiliary contacts type	type instantaneous 2 NO + 2 NC
Control circuit voltage limits	Operational: 0.85...1.1 Uc Drop-out: 0.4...0.5 Uc
[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
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

[I _{th}] conventional free air thermal current	2750 A (at 40 °C) for power circuit
I _{rms} rated making capacity	18000 A at 1000 V AC for power circuit conforming to IEC 60158-1 18000 A at 1000 V AC for power circuit conforming to IEC 60947-4
Rated breaking capacity	11000 A at 660...690 V for power circuit conforming to IEC 60158-1 11000 A at 660...690 V for power circuit conforming to IEC 60947-4 15000 A at 500 V for power circuit conforming to IEC 60158-1 15000 A at 500 V for power circuit conforming to IEC 60947-4 18000 A at 440 V for power circuit conforming to IEC 60158-1 18000 A at 440 V for power circuit conforming to IEC 60947-4 6000 A at 1000 V for power circuit conforming to IEC 60158-1 6000 A at 1000 V for power circuit conforming to IEC 60947-4
Associated fuse rating	2000 A aM at ≤ 440 V for power circuit 2400 A gI at ≤ 440 V for power circuit
Average impedance	0.09 mOhm - I _{th} 2750 A 50 Hz for power circuit
Power dissipation per pole	680 W AC-1 - I _{th} 2750 A
Inrush power in W	1100 W
Hold-in power consumption in W	31 W
Operating time	100...150 ms closing 20...40 ms opening
Mechanical durability	1200000 cycles
Maximum operating rate	120 cyc/h 55 °C
Rated operational power in W	200 W at 500 V AC - electrical durability: 1000000 cycles - for control circuit 230 W at 440 V AC - electrical durability: 1000000 cycles - for control circuit 250 W at 110 V AC - electrical durability: 1000000 cycles - for control circuit 250 W at 220 V AC - electrical durability: 1000000 cycles - for control circuit
Height	555 mm
Width	475 mm
Depth	915 mm
Net weight	129 kg

Environment

Standards	IEC 60947-4 NF C 63-110 IEC 60158-1 BS 5424 VDE 0660
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

Contractual warranty

Warranty	18 months
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