



### Main

Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	LC1BM
Contacteur application	Motor-heating-lighting
Utilisation category	AC-1 AC-3
Control circuit type	AC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	1250 A (at <40 °C) AC AC-1 for power circuit 1000 A (at <40 °C) AC AC-3 for power circuit
Motor power kW	530 kW at 1000 V AC 50/60 Hz 280 kW at 220...230 V AC 50/60 Hz 500 kW at 380...400 V AC 50/60 Hz 530 kW at 415 V AC 50/60 Hz 560 kW at 440 V AC 50/60 Hz 600 kW at 500 V AC 50/60 Hz 670 kW at 660...690 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	110 V AC 50...400 Hz

### Complementary

Protective cover	With
Auxiliary contacts type	Type instantaneous 1 NO + 3 NC
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
Tightening torque	Power circuit: 35 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	1250 A (at 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

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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	1200 A aM at <= 440 V for power circuit 1200 A gI at <= 440 V for power circuit 1500 A gI at <= 440 V for power circuit
Average impedance	0.18 MOhm - Ith 1250 A 50 Hz for power circuit
Power dissipation per pole	280 W AC-1 - Ith 1250 A
Inrush power in VA	1300 VA
Hold-in power consumption in VA	31 VA
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 VA	2000 VA at 110...127 V AC-1 - electrical durability: 1000000 cycles - for control-circuit 2000 VA at 110...127 V AC-3 - electrical durability: 1000000 cycles - for control-circuit 3500 VA at 500 V AC-1 - electrical durability: 1000000 cycles - for control circuit 3500 VA at 500 V AC-3 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 220 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 220 V AC-3 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 380 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 380 V AC-3 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 415...440 V AC-1 - electrical durability: 1000000 cycles - for control-circuit 4000 VA at 415...440 V AC-3 - electrical durability: 1000000 cycles - for control-circuit
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	500 Mm
Width	475 Mm
Depth	570 Mm
Net weight	57 Kg

## Environment

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