



Main

Range	TeSys
Product name	TeSys B
Product or component type	Contactor
Device short name	LC1BP
Contactor 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	2000 A (<= 40 °C) AC AC-1 for power circuit 1500 A (<= 55 °C) AC AC-3 for power circuit
Motor power kW	425 kW at 220...230 V AC 50/60 Hz 670 kW at 1000 V AC 50/60 Hz 700 kW at 500 V AC 50/60 Hz 750 kW at 380...400 V AC 50/60 Hz 750 kW at 660...690 V AC 50/60 Hz 800 kW at 415 V AC 50/60 Hz 800 kW at 440 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	440 V DC

Complementary

Control circuit voltage limits	0.35...0.5 Uc drop-out 0.85...1.1 Uc 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	Notched mounting rails Bar support bracket
Connections - terminals	Power circuit : bars 3 - busbar cross section: 100 x 5 mm
Tightening torque	Power circuit : 35 N.m - on bars
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit

[I _{th}] conventional free air thermal current	2000 A at ≤ 40 °C for power circuit
I _{rms} rated making capacity	15000 A at 1000 V AC for power circuit conforming to IEC 60158-1 15000 A at 1000 V AC for power circuit conforming to IEC 60947-4
Rated breaking capacity	12000 A at 500 V for power circuit conforming to IEC 60158-1 12000 A at 500 V for power circuit conforming to IEC 60947-4 15000 A at 440 V for power circuit conforming to IEC 60158-1 15000 A at 440 V for power circuit conforming to IEC 60947-4 5000 A at 1000 V for power circuit conforming to IEC 60158-1 5000 A at 1000 V for power circuit conforming to IEC 60947-4 9000 A at 660...690 V for power circuit conforming to IEC 60158-1 9000 A at 660...690 V for power circuit conforming to IEC 60947-4
Associated fuse rating	1600 A aM at ≤ 440 V for power circuit 2000 A gI at ≤ 440 V for power circuit
Average impedance	0.13 mΩ at 50 Hz - I _{th} 2000 A for power circuit
Power dissipation per pole	290 W AC-3 - I _{th} 2000 A 520 W AC-1 - I _{th} 2000 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
Operating rate	120 cyc/h at ≤ 55 °C
Height	490 mm
Width	790 mm
Depth	475 mm
Product weight	94 kg

Environment

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

Contractual warranty

Warranty period	18 months
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