

Main

Range of product	TeSys B
Product or component type	Contactor
Device short name	LC1BP
Contactor application	Motor-heating-lighting
Utilisation category	AC-1 AC-3
Control circuit type	DC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[In] rated current	2000 A ($\leq 40^\circ\text{C}$) AC network AC-1 for power circuit 1500 A ($\leq 55^\circ\text{C}$) AC network AC-3 for power circuit
Motor power kW	800 kW at 440 V AC 50/60 Hz 800 kW at 415 V AC 50/60 Hz 750 kW at 660...690 V AC 50/60 Hz 750 kW at 380...400 V AC 50/60 Hz 700 kW at 500 V AC 50/60 Hz 670 kW at 1000 V AC 50/60 Hz 425 kW at 220...230 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	220 V DC

Complementary

Control circuit voltage limits	0.85...1.1 Uc operational 0.35...0.5 Uc drop-out
[Ui] rated insulation voltage	1500 V - for power circuit - conforming to VDE 0110 group C 1000 V - for power circuit - conforming to IEC 60947-4 1000 V - for power circuit - conforming to IEC 60158-1
Mounting mode	Fixed
Mounting support	Bar support bracket Notched mounting rails
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
[Ith] conventional free air thermal current	2000 A at $\leq 40^\circ\text{C}$ for power circuit
Irms rated making capacity	15000 A at 1000 V AC for power circuit conforming to IEC 60947-4 15000 A at 1000 V AC for power circuit conforming to IEC 60158-1
Rated breaking capacity	9000 A at 660...690 V for power circuit conforming to IEC 60947-4 9000 A at 660...690 V for power circuit conforming to IEC 60158-1 5000 A at 1000 V for power circuit conforming to IEC 60947-4 5000 A at 1000 V for power circuit conforming to IEC 60158-1 15000 A at 440 V for power circuit conforming to IEC 60947-4 15000 A at 440 V for power circuit conforming to IEC 60158-1 12000 A at 500 V for power circuit conforming to IEC 60947-4 12000 A at 500 V for power circuit conforming to IEC 60158-1
Associated fuse rating	2000 A gI at ≤ 440 V for power circuit 1600 A aM at ≤ 440 V for power circuit
Average impedance	0.13 mOhm at 50 Hz - Ith 2000 A for power circuit
Power dissipation per pole	520 W AC-1 - Ith 2000 A 290 W AC-3 - Ith 2000 A

Inrush power in W	1100 W
Hold-in power consumption in W	31 W
Operating time	20...40 ms opening 100...150 ms closing
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	BS 5424 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660
Product certifications	BV CSA RINA
Protective treatment	TH TC
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

Period	18 months
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