

Main

Range	TeSys
Product name	TeSys B
Product or component type	Contacteur
Device short name	LC1BP
Contacteur application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	AC
Coil type	Standard
Poles description	4P
Pole contact composition	4 NO
[Ie] rated operational current	2000 A (at <40 °C) AC AC-1 for power circuit
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	440 V AC 50...400 Hz

Complementary

Control circuit voltage limits	Operational: 0.85...1.1 Uc at 50...400 Hz Drop-out: 0.35...0.5 Uc at 50...400 Hz
[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 3 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	2000 A (at 40 °C) for power circuit
Irms 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 MOhm - Ith 2000 A 50 Hz for power circuit
Power dissipation per pole	520 W AC-1 - Ith 2000 A
Inrush power in VA	1600 VA
Hold-in power consumption in VA	47 VA 50/60 Hz
Operating time	100...150 ms closing 50...100 ms opening
Mechanical durability	1200000 Cycles
Maximum operating rate	120 Cyc/H 55 °C
Height	490 Mm
Width	1095 Mm
Depth	475 Mm
Net weight	120 Kg

Environment

Standards	BS 5424 VDE 0660 IEC 60158-1 IEC 60947-4 NF C 63-110
Product certifications	CSA BV 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

Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**