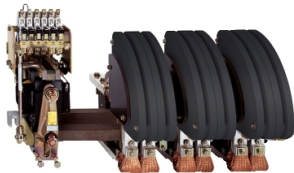


Product data sheet

Specifications



bar-mounted contactor - TeSys LC1-BP - 3 poles - AC-3 440V 1500 A - coil 48V DC

LC1BP33ED31

 **Discontinued on:** Sep 28, 2021

 **Discontinued**

Main

Range	TeSys
Product Name	TeSys B
Product Or Component Type	Contactors
Device Short Name	LC1BP
Contactors 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
[Ie] Rated Operational Current	2000 A (at <40 °C) AC AC-1 for power circuit 1500 A (at <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	3 NO + 1 NC
[Uc] Control Circuit Voltage	48 V DC

Complementary

Control Circuit Voltage Limits	Operational: 0.85...1.1 Uc Drop-out: 0.35...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
Mounting Mode	Fixed
Mounting Support	Notched mounting rails Bar support bracket
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 - lth 2000 A 50 Hz for power circuit
Power Dissipation Per Pole	290 W AC-3 - lth 2000 A 520 W AC-1 - lth 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
Maximum Operating Rate	120 cyc/h 55 °C
Height	490 mm
Width	790 mm
Depth	475 mm
Net Weight	94 kg

Environment

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