Product datasheet

Specifications

bar-mounted contactor - TeSys LC1-BP - 4P - AC-1 1000 V 2000 A - coil 240 VAC

LC1BP34U40

Discontinued on: Jun 30, 2020 AD

Discontinued

Main

Range	TeSys
Product Name	TeSys B
Product Or Component Type	Contactor
Device Short Name	LC1BP
Contactor 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	4 NO
[Uc] Control Circuit Voltage	240 V AC 50...400 Hz

Complementary

Protective Cover	With
Auxiliary Contacts Type	type instantaneous 4 NO
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
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
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 3500 VA at 500 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 220 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 380 V AC-1 - electrical durability: 1000000 cycles - for control circuit 4000 VA at 415…440 V AC-1 - 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	1095 mm
Net Weight	41 kg

Environment

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	58 cm

Package 1 Width	66 cm
Package 1 Length	120 cm
Package 1 Weight	130 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes

Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins