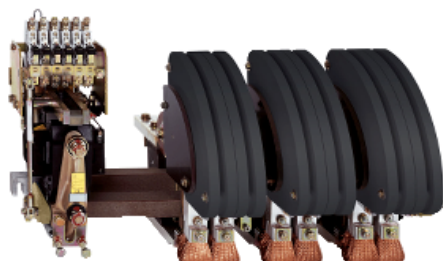


LC1BP33M31

bar-mounted contactor - TeSys LC1-BP - 3 poles
- AC-3 440V 1500 A - coil 220V AC



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 AC-3
Control circuit type	AC
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	220 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	290 W AC-3 - Ith 2000 A 520 W AC-1 - Ith 2000 A
Inrush power in VA	1300 VA
Hold-in power consumption in VA	31 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	790 mm
Depth	475 mm
Product weight	94 kg

Environment

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

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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