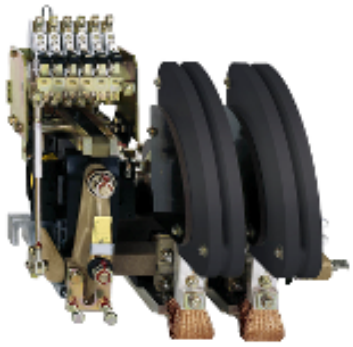
Product data sheet
Characteristics

LC1BL32Q13
bar-mountedcontactor-TeSysLC1-BL-2poles-AC-11000V800A-coil380VAC



Commercial status
End of Commercialisation : MAY 11, 2020

⚠ End of Commercialisation

Main

Range	TeSys
Product name	TeSys B
Product or component type	Contactor
Device short name	LC1BL
Contactor application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	AC
Coil type	Standard
Poles description	2P
Pole contact composition	2 NO
[Ie] rated operational current	800 A (at <40 °C) AC AC-1 for power circuit
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	380 V AC 50...400 Hz

Complementary

Protective cover	With
Auxiliary contacts type	Type instantaneous 1 NO + 3 NC
Control circuit voltage limits	Drop-out: 0.3...0.5 Uc Operational: 0.85...1.1 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
Tightening torque	Power circuit: 21 N.m - on bars
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 50/60 Hz
[Ith] conventional free air thermal current	800 A (at 40 °C) for power circuit
Irms rated making capacity	10000 A at 1000 V AC for power circuit conforming to IEC 60158-1 10000 A at 1000 V AC for power circuit conforming to IEC 60947-4
Rated breaking capacity	10000 A at 440 V for power circuit conforming to IEC 60158-1 10000 A at 440 V for power circuit conforming to IEC 60947-4 4000 A at 1000 V for power circuit conforming to IEC 60158-1 4000 A at 1000 V for power circuit conforming to IEC 60947-4 8000 A at 660...690 V for power circuit conforming to IEC 60158-1 8000 A at 660...690 V for power circuit conforming to IEC 60947-4 9000 A at 500 V for power circuit conforming to IEC 60158-1 9000 A at 500 V for power circuit conforming to IEC 60947-4
Associated fuse rating	1000 A gI at <= 440 V for power circuit 800 A aM at <= 440 V for power circuit 800 A gI at <= 440 V for power circuit
Average impedance	0.18 MOhm - Ith 800 A 50 Hz for power circuit

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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Power dissipation per pole	115 W AC-1 - Ith 800 A
Inrush power in VA	1000 VA
Hold-in power consumption in VA	20 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	486 Mm
Width	475 Mm
Depth	475 Mm
Net weight	32 Kg

Environment

Standards	VDE 0660 BS 5424 NF C 63-110 IEC 60947-4 IEC 60158-1
Product certifications	RINA[RETURN]CSA[RETURN]BV
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	52 Cm
Package 1 Width	58 Cm
Package 1 Length	67 Cm
Package 1 Weight	52 Kg

Contractual warranty

Warranty	18 months

Product Life Status : End of commerc. - Block