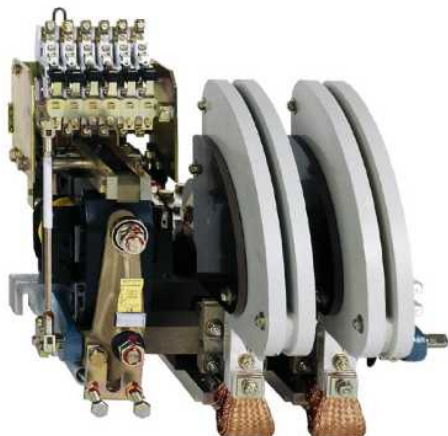


LC1BL31MD31

bar-mounted contactor - TeSys LC1-BL - 1 pole
- AC-1 440V 800 A - coil 220V DC



Main

Range of product	TeSys B
Product or component type	Contactor
Device short name	LC1BL
Contactor application	Motor-heating-lighting
Utilisation category	AC-1
Control circuit type	DC
Coil type	Standard
Poles description	1P
Pole contact composition	1 NO
[In] rated current	800 A ($\leq 40\text{ }^{\circ}\text{C}$) AC network AC-1 for power circuit
Auxiliary contact composition	3 NO + 1 NC
[Uc] control circuit voltage	220 V DC

Complementary

Control circuit voltage limits	0.85...1.1 Uc operational 0.3...0.5 Uc drop-out
[Ui] rated insulation voltage	1500 V - for power circuit - conforming to VDE 0110 group C 1000 V - for power circuit - conforming to IEC 60947-4 1000 V - for power circuit - conforming to IEC 60158-1
Mounting mode	Fixed
Mounting support	Bar support bracket Notched mounting rails
Tightening torque	Power circuit: 21 N.m - on bars
[Ue] rated operational voltage	$\leq 1000\text{ V AC } 50/60\text{ Hz}$ for power circuit
[Ith] conventional free air thermal current	800 A at $\leq 40\text{ }^{\circ}\text{C}$ for power circuit
Irms rated making capacity	10000 A at 1000 V AC for power circuit conforming to IEC 60947-4 10000 A at 1000 V AC for power circuit conforming to IEC 60158-1
Rated breaking capacity	9000 A at 500 V for power circuit conforming to IEC 60947-4 9000 A at 500 V for power circuit conforming to IEC 60158-1 8000 A at 660...690 V for power circuit conforming to IEC 60947-4 8000 A at 660...690 V for power circuit conforming to IEC 60158-1 4000 A at 1000 V for power circuit conforming to IEC 60947-4 4000 A at 1000 V for power circuit conforming to IEC 60158-1 10000 A at 440 V for power circuit conforming to IEC 60947-4 10000 A at 440 V for power circuit conforming to IEC 60158-1
Associated fuse rating	800 A gI at $\leq 440\text{ V}$ for power circuit 800 A aM at $\leq 440\text{ V}$ for power circuit 1000 A gI at $\leq 440\text{ V}$ for power circuit
Average impedance	0.18 mOhm at 50 Hz - Ith 800 A for power circuit
Power dissipation per pole	115 W AC-1 - Ith 800 A
Inrush power in W	520 W
Hold-in power consumption in W	10 W
Operating time	20...40 ms opening 100...150 ms closing
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h at $\leq 55\text{ }^{\circ}\text{C}$
Height	486 mm
Width	375 mm

Depth	475 mm
Product weight	32 kg

Environment

Standards	BS 5424 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660
Product certifications	BV CSA RINA
Protective treatment	TH TC
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature

Contractual warranty

Period	18 months
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