

Main

Range of product	TeSys B
Product or component type	Contacteur
Device short name	LC1BR
Contacteur 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
[In] rated current	2750 A (<= 40 °C) AC network AC-1 for power circuit 1800 A (<= 55 °C) AC network AC-3 for power circuit
Motor power kW	900 kW at 660...690 V AC 50/60 Hz 900 kW at 500 V AC 50/60 Hz 900 kW at 440 V AC 50/60 Hz 900 kW at 415 V AC 50/60 Hz 900 kW at 380...400 V AC 50/60 Hz 750 kW at 1000 V AC 50/60 Hz 500 kW at 220...230 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 3 NC
[Uc] control circuit voltage	220 V DC

Complementary

Control circuit voltage limits	0.85...1.1 U _{cw} operational 0.4...0.5 U _c 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
Connections - terminals	Power circuit: bars 4
Tightening torque	Power circuit: 35 N.m - on bars
[U _e] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit
[I _{th}] conventional free air thermal current	2750 A at <= 40 °C for power circuit
I _{rms} rated making capacity	18000 A at 1000 V AC for power circuit conforming to IEC 60947-4 18000 A at 1000 V AC for power circuit conforming to IEC 60158-1
Rated breaking capacity	6000 A at 1000 V for power circuit conforming to IEC 60947-4 6000 A at 1000 V for power circuit conforming to IEC 60158-1 18000 A at 440 V for power circuit conforming to IEC 60947-4 18000 A at 440 V for power circuit conforming to IEC 60158-1 15000 A at 500 V for power circuit conforming to IEC 60947-4 15000 A at 500 V for power circuit conforming to IEC 60158-1 11000 A at 660...690 V for power circuit conforming to IEC 60947-4 11000 A at 660...690 V for power circuit conforming to IEC 60158-1
Associated fuse rating	2400 A gI at <= 440 V for power circuit 2000 A aM at <= 440 V for power circuit
Average impedance	0.09 mOhm at 50 Hz - I _{th} 2750 A for power circuit
Power dissipation per pole	680 W AC-1 - I _{th} 2750 A 360 W AC-3 - I _{th} 2750 A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Inrush power in W	1100 W
Hold-in power consumption in W	31 W
Operating time	20...40 ms opening 100...150 ms closing
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h at <= 55 °C
Height	495 mm
Width	915 mm
Depth	475 mm
Product weight	129 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
--------	-----------