

Main

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| 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 | AC |
| Coil type | Standard |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| [In] rated current | 1800 A ≤ 55 °C AC AC-3 power circuit 2750 A ≤ 40 °C AC AC-1 power circuit |
| Motor power kW | 500 kW 220...230 V AC 50/60 Hz 750 kW 1000 V AC 50/60 Hz 900 kW 380...400 V AC 50/60 Hz 900 kW 415 V AC 50/60 Hz 900 kW 440 V AC 50/60 Hz 900 kW 500 V AC 50/60 Hz 900 kW 660...690 V AC 50/60 Hz |
| Control circuit voltage | 220 V AC 50...400 Hz |

Complementary

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| Auxiliary contact composition | 2 NO + 2 NC |
| Control circuit voltage limits | 0.4...0.5 U _c drop-out 50...400 Hz 0.85...1.1 U _{cw} operational 50...400 Hz |
| [Ui] rated insulation voltage | 1000 V IEC 60158-1 power circuit 1000 V IEC 60947-4 power circuit 1500 V VDE 0110 group C power circuit |
| Mounting mode | Fixed |
| Mounting support | Bar support bracket Notched mounting rails |
| Connections - terminals | Bars power circuit 4 100 x 5 mm |
| Tightening torque | 35 N.m power circuit bars |
| [U _e] rated operational voltage | ≤ 1000 V AC 50/60 Hz power circuit |
| [I _{th}] conventional free air thermal current | 2750 A ≤ 40 °C power circuit |
| I _{rms} rated making capacity | 18000 A 1000 V AC power circuit IEC 60947-4 18000 A 1000 V AC power circuit IEC 60158-1 |
| Rated breaking capacity | 6000 A 1000 V power circuit IEC 60158-1 6000 A 1000 V power circuit IEC 60947-4 11000 A 660...690 V power circuit IEC 60158-1 11000 A 660...690 V power circuit IEC 60947-4 15000 A 500 V power circuit IEC 60158-1 15000 A 500 V power circuit IEC 60947-4 18000 A 440 V power circuit IEC 60947-4 18000 A 440 V power circuit IEC 60158-1 |
| Associated fuse rating | 2000 A aM ≤ 440 V power circuit 2400 A gL ≤ 440 V power circuit |
| Average impedance | 0,09 mOhm 50 Hz 2750 A power circuit |
| Power dissipation per pole | 360 W AC-3 2750 A 680 W AC-1 2750 A |
| Inrush power in VA | 1300 VA 50/60 Hz |
| Hold-in power consumption in VA | 31 VA 50/60 Hz |

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| Operating time | 50...100 ms opening 100...150 ms closing |
| Mechanical durability | 1200000 cycles |
| Operating rate | 120 cyc/h \leq 55 °C |
| Height | 495 mm |
| Width | 915 mm |
| Depth | 475 mm |
| Product weight | 129 kg |

Environment

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| Standards | BS 5424 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660 |
| 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 |
| RoHS EUR conformity date | 4Q2008 |
| RoHS EUR status | Will not be compliant |