

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 |
| Control circuit type | AC |
| Coil type | Standard |
| Poles description | 4P |
| Pole contact composition | 4 NO |
| [In] rated current | 2750 A (<= 40 °C) AC network AC-1 for power circuit |
| Auxiliary contact composition | 2 NO + 2 NC |
| [Uc] control circuit voltage | 220 V AC 50...400 Hz |

Complementary

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| Control circuit voltage limits | 0.85...1.1 Ucw operational 50...400 Hz 0.4...0.5 Uc drop-out 50...400 Hz |
| [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 |
| [Ue] rated operational voltage | <= 1000 V AC 50/60 Hz for power circuit |
| [Ith] conventional free air thermal current | 2750 A at <= 40 °C for power circuit |
| Irms 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 - Ith 2750 A for power circuit |
| Power dissipation per pole | 680 W AC-1 - Ith 2750 A |
| Inrush power in VA | 1600 VA |
| Hold-in power consumption in VA | 47 VA 50/60 Hz |
| Operating time | 50...100 ms opening 100...150 ms closing |
| Mechanical durability | 1200000 cycles |
| Operating rate | 120 cyc/h at <= 55 °C |
| Height | 495 mm |
| Width | 1095 mm |

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| Depth | 475 mm |
| Product weight | 160 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 | 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 |

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
| RoHS | Will not be Compliant |
| REACH | Reference not containing SVHC above the threshold |

Contractual warranty

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| Period | 18 months |
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