



Price* : 130.00 USD



Main

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|---|--|
| Range of product | TeSys K |
| Range | TeSys |
| Product name | TeSys K |
| Product or component type | Reversing contactor |
| Device short name | LC2K |
| Device application | Control |
| Contactor application | Motor control |
| Utilisation category | AC-3 AC-4 |
| Device presentation | Preassembled with reversing power busbar |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| System Voltage | 690 V AC 50/60 Hz power circuit \leq 690 V AC 50/60 Hz signalling circuit |
| [Ie] rated operational current | 6 A at \leq 440 V AC AC-3 power circuit |
| Motor power kW | 3 kW at 440 V AC 50/60 Hz 3 kW at 500...600 V AC 50/60 Hz 3 kW at 660...690 V AC 50/60 Hz 1.5 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 3 kW at 480 V AC 50/60 Hz |
| Control circuit type | AC 50/60 Hz |
| [Uc] control circuit voltage | 24 V AC 50/60 Hz |
| Auxiliary contact composition | 1 NC |
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 20 A at \leq 122 °F (50 °C) power circuit 10 A at \leq 122 °F (50 °C) signalling circuit |
| Irms rated making capacity | 110 A AC power circuit conforming to NF C 63-110 |

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| | 110 A AC power circuit conforming to IEC 60947 110 A AC signalling circuit conforming to IEC 60947 |
| Rated breaking capacity | 110 A at 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 20 A $\leq 50\text{ }^{\circ}\text{C} \geq 15$ min power circuit 90 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 1 s power circuit 85 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 5 s power circuit 80 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 10 s power circuit 60 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 30 s power circuit 45 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 1 min power circuit 40 A $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) 3 min power circuit 80 A 1 s signalling circuit 90 A 500 ms signalling circuit 110 A 100 ms signalling circuit |
| Associated fuse rating | 25 A gG at ≤ 440 V power circuit 25 A aM power circuit 10 A gG signalling circuit conforming to IEC 60947 10 A gG signalling circuit conforming to VDE 0660 |
| Average impedance | 3 mOhm at 50 Hz - Ith 20 A power circuit |
| [Ui] rated insulation voltage | 690 V signalling circuit conforming to IEC 60947-4-1 690 V signalling circuit conforming to IEC 60947-5-1 600 V signalling circuit conforming to UL 508 600 V power circuit conforming to CSA C22.2 No 14 600 V signalling circuit conforming to CSA C22.2 No 14 690 V power circuit conforming to IEC 60947-4-1 600 V power circuit conforming to UL 508 |
| Electrical durability | 1.3 Mcycles 6 A AC-3 at $U_e \leq 440$ V |
| Interlocking type | Mechanical |
| Mounting support | Plate Rail |
| Standards | NF C 63-110 BS 5424 IEC 60947 VDE 0660 |
| Product certifications | UL CSA |
| Connections - terminals | Screw clamp terminals 1 cable(s) 0...0.01 in ² (1.5...4 mm ²) - cable stiffness: solid Screw clamp terminals 1 cable(s) 0...0.01 in ² (0.75...4 mm ²) - cable stiffness: flexible - without cable end Screw clamp terminals 1 cable(s) 0...0 in ² (0.34...2.5 mm ²) - cable stiffness: flexible - with cable end Screw clamp terminals 2 cable(s) 0...0.01 in ² (1.5...4 mm ²) - cable stiffness: solid Screw clamp terminals 2 cable(s) 0...0.01 in ² (0.75...4 mm ²) - cable stiffness: flexible - without cable end Screw clamp terminals 2 cable(s) 0...0 in ² (0.34...1.5 mm ²) - cable stiffness: flexible - with cable end |
| Tightening torque | 11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver Philips No 2 11.5 lbf.in (1.3 N.m) - on screw clamp terminals - with screwdriver flat \varnothing 6 mm |
| Operating time | 10...20 ms coil de-energisation and NO opening 10...20 ms coil energisation and NO closing |
| Safety reliability level | B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 |
| Mechanical durability | 5 Mcycles |
| Operating rate | 3600 cyc/h |

Complementary

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|---------------------------------|---|
| Control circuit voltage limits | 0.2...0.75 U_c at $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) drop-out 0.8...1.15 U_c at $\leq 122\text{ }^{\circ}\text{F}$ (50 $^{\circ}\text{C}$) operational |
| Inrush power in VA | 30 VA at 68 $^{\circ}\text{F}$ (20 $^{\circ}\text{C}$) |
| Hold-in power consumption in VA | 4.5 VA at 68 $^{\circ}\text{F}$ (20 $^{\circ}\text{C}$) |
| Heat dissipation | 1.3 W |
| Auxiliary contacts type | Type instantaneous 1 NC |
| Signalling circuit frequency | ≤ 400 Hz |

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| Minimum switching current | 5 mA signalling circuit |
| Minimum switching voltage | 17 V signalling circuit |
| Non overlap distance | 0.02 in (0.5 mm) |
| Insulation resistance | > 10 MOhm signalling circuit |
| Power range | 0.55...1 kW 200...240 V 3 phases 0.55...1 kW 380...440 V 3 phases 0.55...1 kW 480...500 V 3 phases 1.1...2 kW 200...240 V 3 phases 1.1...2 kW 380...440 V 3 phases 2.2...3 kW 380...440 V 3 phases 2.2...3 kW 480...500 V 3 phases 0...0.5 kW 200...240 V 3 phases 0...0.5 kW 380...440 V 3 phases 0...0.5 kW 480...500 V 3 phases 1.1...2 kW 480...500 V 3 phases |
| Motor starter type | Reversing contactor |
| Contactor coil voltage | 24 V AC standard |

Environment

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|---------------------------------------|---|
| IP degree of protection | IP20 conforming to VDE 0106 |
| Protective treatment | TC conforming to IEC 60068 TC conforming to DIN 50016 |
| Ambient air temperature for operation | -13...122 °F (-25...50 °C) |
| Ambient air temperature for storage | -58...176 °F (-50...80 °C) |
| Operating altitude | 6561.68 ft (2000 m) without derating derating in temperature |
| Flame retardance | V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102 |
| Mechanical robustness | Shocks contactor closed, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened 2 Gn, 5...300 Hz IEC 60068-2-6 |
| Height | 2.28 in (58 mm) |
| Width | 3.54 in (90 mm) |
| Depth | 2.24 in (57 mm) |
| Product weight | 0.86 lb(US) (0.39 kg) |

Ordering and shipping details

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|-----------------------|--------------------------------|
| Category | 22327 - CTR,K-LINE,AC,OPEN,REV |
| Discount Schedule | I12 |
| GTIN | 00785901883197 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.8000000000000004 |
| Returnability | Y |
| Country of origin | FR |

Offer Sustainability

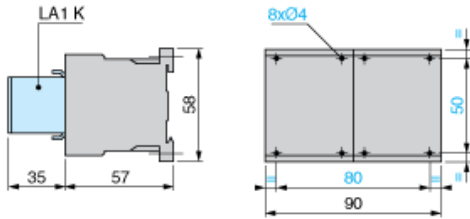
| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0706 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

Contractual warranty

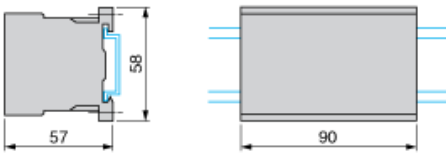
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| Warranty period | 18 months |
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Dimensions

Reversing Contactors LC2 K, LP2 K, LP5 K: Mounting on Panel



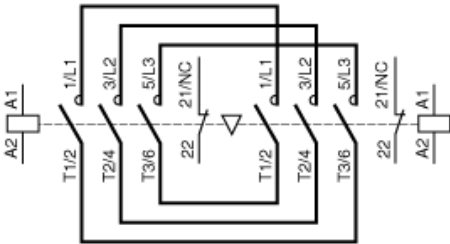
Reversing Contactors LC2 K, LP2 K, LP5 K: Mounting on Rail AM1 DP200 or AM1 DE200 (35 mm)



Wiring

3-Pole Reversing Contactors with Screw Clamp Connections: 3P + N/O

3-Pole Reversing Contactors with Screw Clamp Connections: 3P + N/C



Our Proposal - Type 1 : Circuit Breaker + Contactor for Motor Power from 0,06 to 3 kW and 415 VAC

| Motor Power (kW) | Icu (kA) | Breaker | Contactors |
|------------------|----------|--|---|
| 0.06 | > 100 |  GV2ME02 |  LC2K0601B7 |
| 0.09 | > 100 |  GV2ME03 |  LC2K0601B7 |
| 0.55 | > 100 |  GV2ME06 |  LC2K0601B7 |
| 0.75 | > 100 |  GV2ME07 |  LC2K0601B7 |
| 2.2 | > 100 |  GV2ME10 |  LC2K0601B7 |
| 0,12 to 0,18 | > 100 |  GV2ME04 |  LC2K0601B7 |
| 0,25 to 0,37 | > 100 |  GV2ME05 |  LC2K0601B7 |
| 1,1 to 1,5 | > 100 |  GV2ME08 |  LC2K0601B7 |

Non contractual pictures. Type 1 coordination requires that in a short-circuit condition, the contactor or starter must not present any danger to personnel or installations and must not be able to resume operation without repair or the replacement of parts.