# Product data sheet
## Characteristics

# LC1E0901E5
## EasyPact TVS contactor 3P(3 NO) - AC-3 - <= 440 V 9A - 48 V AC coil

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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## Main

| | |
|---|---|
| Range | EasyPact |
| Product name | EasyPact TVS |
| Product or component type | Contactor |
| Device short name | LC1E |
| Contactor application | Motor control<br>Resistive load |
| Utilisation category | AC-1<br>AC-3 |
| Poles description | 3P |
| Power pole contact composition | 3 NO |
| [Ue] rated operational voltage | <= 690 V AC 50/60 Hz for power circuit |
| [Ie] rated operational current | 25 A (<= 60 °C) AC AC-1 for power circuit <= 440 V<br>9 A (<= 60 °C) AC AC-3 for power circuit <= 440 V |
| Motor power kW | 5.5 kW at 660...690 V<br>5.5 kW at 500 V<br>4 kW at 440 V<br>4 kW at 415 V<br>4 kW at 380...400 V<br>2.2 kW at 220...230 V AC 50/60 Hz |
| Control circuit type | AC 50 Hz standard |
| Control circuit voltage | 48 V AC 50 Hz |
| Auxiliary contact composition | 1 NC |
| [Uimp] rated impulse withstand voltage | 6 kV (coil not connected to the power circuit) IEC 60947 |
| Overvoltage category | III |
| Irms rated making capacity | 90 A - 440 V AC for power circuit conforming to IEC 60947-4-1 |
| Rated breaking capacity | 72 kA at 440 V for power circuit conforming to IEC 60947 |
| [Icw] rated short-time withstand current | At <= 40 °C - 600 s for power circuit<br>At <= 40 °C - 60 s for power circuit<br>At <= 40 °C - 10 s for power circuit |
| Associated fuse rating | IEC 60947-5-1 |
| Average impedance | 2.5 mOhm at 50 Hz Ith 25 A for power circuit |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-4-1 |
| Electrical durability | AC-1<br>AC-3 |
| Power dissipation per pole | AC-1<br>AC-3 |
| Mounting support | DIN rail<br>Plate |
| Standards | IEC 60947-1<br>IEC 60947-4-1<br>IEC 60947-5-1 |
| Product certifications | GOST |

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|---|---|
| Connections - terminals | Control circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm² without cable end cable end<br>Control circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm² without cable end cable end<br>Control circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm² with cable end cable end<br>Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² with cable end cable end<br>Control circuit : screw clamp terminals - 2 flexible cable(s) 1...4 mm² without cable end cable end<br>Control circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² without cable end cable end<br>Power circuit : screw clamp terminals - 2 solid cable(s) 1...4 mm² without cable end cable end<br>Power circuit : screw clamp terminals - 1 solid cable(s) 1...4 mm² without cable end cable end<br>Power circuit : screw clamp terminals - 2 flexible cable(s) 1...2.5 mm² with cable end cable end<br>Power circuit : screw clamp terminals - 1 flexible cable(s) 1...4 mm² with cable end cable end |
| Tightening torque | 1.5 N.m for control circuit<br>1.2 N.m for power circuit |
| Operating time | |
| Mechanical durability | 10000000 cycles |
| Operating rate | 1800 cyc/h at <= 60 °C |

## Complementary

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|---|---|
| Control circuit voltage limits | 0.3...0.6 Uc at <= 55 °C drop-out 50 Hz<br>0.85...1.1 Uc at <= 55 °C operational 50 Hz |
| Inrush power in VA | 95 VA at 20 °C (0.75) 60 Hz<br>95 VA at 20 °C (0.75) 50 Hz |
| Hold-in power consumption in VA | 8.5 VA at 20 °C (0.3) 60 Hz<br>8.5 VA at 20 °C (0.3) 50 Hz |
| Heat dissipation | 2...3 W for control circuit |
| Non-overlap time | |

## Environment

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|---|---|
| IP degree of protection | IP2x conforming to IEC 60529 |
| Protective treatment | IEC 60068 |
| Pollution degree | 3 |
| Ambient air temperature for operation | 5...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 3000 m without derating |
| Fire resistance | IEC 60695-2-1 |
| Mechanical robustness | Shocks contactor closed 10 Gn for 11 ms<br>Shocks contactor open 7 Gn for 11 ms<br>Vibrations contactor closed 3 Gn, 5...300 Hz<br>Vibrations contactor open 1.5 Gn, 5...300 Hz |
| Height | 74 mm |
| Width | 45 mm |
| Depth | 80 mm |
| Product weight | 0.3 kg |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1110 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Need no specific recycling operations |