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| Range | EasyPact |
| Product name | EasyPact TVS |
| Product or component type | Contacteur |
| Device short name | LC1E |
| Contacteur application | Motor control Resistive load |
| Utilisation category | AC-1 AC-3 |
| Poles description | 3P |
| Pole contact composition | 3 NO |
| [Ue] rated operational voltage | Power circuit: ≤ 690 V AC 50/60 Hz |
| [Ie] rated operational current | 95 A (at <60 °C) at ≤ 440 V AC AC-3 for power circuit 125 A (at <60 °C) at ≤ 440 V AC AC-1 for power circuit |
| Motor power kW | 45 KW at 415 V 45 KW at 440 V 45 KW at 500 V 25 KW at 220...230 V AC 50/60 Hz 45 KW at 380...400 V 55 KW at 660...690 V |
| Control circuit type | AC at 50 Hz |
| Height | 127 Mm |
| Width | 85 Mm |
| Depth | 121 Mm |
| Net weight | 1.52 Kg |
| Colour | Grey (RAL 7011) |

Complementary

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| Auxiliary contact composition | 1 NO + 1 NC |
| [Uimp] rated impulse withstand voltage | 6 KV coil not connected to the power circuit conforming to IEC 60947 |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-4-1 |
| Overvoltage category | III |
| Irms rated making capacity | 950 A at 440 V AC for power circuit conforming to IEC 60947-4-1 |
| Rated breaking capacity | 760 A at 440 V for power circuit conforming to IEC 60947 |
| [Icw] rated short-time withstand current | 135 A 40 °C - 600 s for power circuit 800 A 40 °C - 10 s for power circuit 400 A 40 °C - 60 s for power circuit |
| Associated fuse rating | 10 A gG at ≤ 690 V coordination type 1 for control circuit conforming to IEC 60947-5-1 160 A gG at ≤ 690 V coordination type 1 for power circuit |
| Average impedance | 0.8 MOhm - Ith 120 A 50 Hz for power circuit |
| Power dissipation per pole | 7.2 W AC-3 12 W AC-1 |

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| Control circuit voltage limits | Operational: 0.85...1.1 U _c at 50 Hz (at <55 °C) Drop-out: 0.3...0.6 U _c at 50 Hz (at <55 °C) |
| Operating time | 20...35 ms on closing 6...30 ms on opening |
| Mechanical durability | 300000 Cycles |
| Maximum operating rate | 1200 Cyc/H 60 °C |
| Inrush power in VA | 200 VA 50 Hz cos phi 0.75 (at 20 °C) 220 VA 60 Hz cos phi 0.75 (at 20 °C) |
| Hold-in power consumption in VA | 22 VA 60 Hz cos phi 0.3 (at 20 °C) 20 VA 50 Hz cos phi 0.3 (at 20 °C) |
| Heat dissipation | 6...10 W for control circuit |
| Minimum switching current | 5 MA for control circuit |
| Minimum switching voltage | 17 V for control circuit |
| Non-overlap time | 1.5 Ms on energisation guaranteed between NC and NO contact 1.5 Ms on de-energisation guaranteed between NC and NO contact |
| Insulation resistance | > 10 MOhm for control circuit |
| Electrical durability | 350000 Cycles AC-3 900000 Cycles AC-1 |
| Mounting support | DIN rail Plate |
| Connections - terminals | Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 4...50 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4...16 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 4...50 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 4...50 mm ² - cable stiffness: solid without cable end |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 9 N.m |

Environment

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| Standards | IEC 60947-1 IEC 60947-5-1 IEC 60947-4-1 |
| Product certifications | EAC |
| IP degree of protection | IP2x conforming to IEC 60529 |
| Protective treatment | TH (pollution degree 3) conforming to IEC 60068 |
| Pollution degree | 3 |
| Ambient air temperature for operation | -5...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -20...70 °C at U _c |
| Operating altitude | 3000 m without |
| Fire resistance | 850 °C conforming to IEC 60695-2-1 |
| Mechanical robustness | Vibrations contactor open: 1.5 Gn, 5...300 Hz Vibrations contactor closed: 3 Gn, 5...300 Hz Shocks contactor open: 6 Gn for 11 ms Shocks contactor closed: 7 Gn for 11 ms |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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Product Life Status : **Commercialised**