LC1D32EHE<br>TeSys D contactor - 3P - <= 440 V-32 A AC-3 48... 130 V AC/DC coil



|  | $260 \mathrm{~A}<=40^{\circ} \mathrm{C} 10 \mathrm{~s}$ power circuit $430 \mathrm{~A}<=40^{\circ} \mathrm{C} 1 \mathrm{~s}$ power circuit $60 \mathrm{~A}<=40^{\circ} \mathrm{C} 10 \mathrm{~min}$ power circuit 100 A 1 s signalling circuit 120 A 500 ms signalling circuit 140 A 100 ms signalling circuit |
| :---: | :---: |
| Associated fuse rating | 63 A gG at <= 690 V coordination type 1 for power circuit 63 A gG at $<=690 \mathrm{~V}$ coordination type 2 for power circuit 10 A gG for signalling circuit conforming to IEC 60947-5-1 |
| Average impedance | 2 mOhm at 50 Hz - Ith 50 A for power circuit |
| [Ui] rated insulation voltage | 690 V for power circuit conforming to IEC 60947-4-1 <br> 690 V for signalling circuit conforming to IEC 60947-1 |
| Electrical durability | 2 Mcycles 9 A AC-3 at Ue $<=440 \mathrm{~V}$ 650000 cycles 25 A AC-1 at $\mathrm{Ue}<=440 \mathrm{~V}$ 23000 cycles AC-4 at $\mathrm{Ue}<=440 \mathrm{~V}$ |
| Power dissipation per pole | $\begin{aligned} & 2 \text { W AC-3 } \\ & 5 \text { W AC-1 } \end{aligned}$ |
| Protective cover | With |
| Mounting support | Rail Plate |
| Standards | $\begin{aligned} & \text { EN/IEC 60947-4-1 } \\ & \text { UL 60947-4-1 } \\ & \text { CSA C22.2 No 60947-4-1 } \\ & \text { EN/IEC 60947-5-1 } \end{aligned}$ |
| Product certifications | UL CSA CCC EAC KC |
| Connections - terminals | Control circuit : screw clamp terminals 2 cable(s) $1 . .2 .5 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end <br> Power circuit : screw clamp terminals 1 cable(s) $1.5 \ldots 10 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end <br> Control circuit : screw clamp terminals 1 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Control circuit : screw clamp terminals 2 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Control circuit : screw clamp terminals 1 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) $1 . .4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) $1 . .4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) $2.5 \ldots 10 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Power circuit : screw clamp terminals 2 cable(s) $2.5 \ldots 10 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Power circuit : screw clamp terminals 1 cable(s) $1 . .10 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) $1.5 \ldots 6 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) $2.5 \ldots 10 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end |
| Tightening torque | Control circuit : 1.7 N.m - on screw clamp terminals - with screwdriver flat $\varnothing 6 \mathrm{~mm}$ Control circuit : $1.7 \mathrm{~N} . \mathrm{m}$ - on screw clamp terminals - with screwdriver Philips No 2 Power circuit : $2.5 \mathrm{~N} . \mathrm{m}$ - on screw clamp terminals - with screwdriver flat $\varnothing 6 \mathrm{~mm}$ Power circuit : 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2 |
| Operating time | $45 . . .55 \mathrm{~ms}$ closing 20... 90 ms opening |
| Safety reliability level | B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 <br> $B 10 d=20000000$ cycles contactor with mechanical load conforming to EN/ISO 13849-1 |
| Mechanical durability | 15000000 cycles |
| Operating rate | $3600 \mathrm{cyc} / \mathrm{h}$ at $<=60^{\circ} \mathrm{C}$ |

## Complementary

| Coil technology | Built-in bidirectional peak limiting |
| :--- | :--- |
| Control circuit voltage limits | $<=0.1 \mathrm{Uc}$ drop-out at $60^{\circ} \mathrm{C}$ |
|  | $0.85 \ldots 1.1 \mathrm{Uc}$ operational at $60^{\circ} \mathrm{C}$ |
| Inrush power in VA | 25 VA at $20^{\circ} \mathrm{C} 50 / 60 \mathrm{~Hz}$ |
| Inrush power in W | 24 W at $20^{\circ} \mathrm{C}$ |
| Hold-in power consumption in VA | 1.3 VA at $20^{\circ} \mathrm{C} 50 / 60 \mathrm{~Hz}$ |


| Hold-in power consumption in W | 0.8 W at $20^{\circ} \mathrm{C}$ |
| :--- | :--- |
| Heat dissipation | 0.8 W at $50 / 60 \mathrm{~Hz}$ |
| Auxiliary contacts type | Type mechanically linked (1 NO + 1 NC) conforming to IEC 60947-5-1 <br> Type mirror contact (1 NC) conforming to IEC 60947-4-1 |
| Signalling circuit frequency | $25 \ldots .400 \mathrm{~Hz}$ |
| Minimum switching current | 5 mA for signalling circuit |
| Minimum switching voltage | 17 V for signalling circuit |
| Non-overlap time | 1.5 ms on de-energisation (between NC and NO contact) |
|  | 1.5 ms on energisation (between NC and NO contact) |
| Insulation resistance | $>10 \mathrm{MOhm}$ for signalling circuit |

## Environment

| IP degree of protection | IP20 front face conforming to IEC 60529 |
| :---: | :---: |
| Protective treatment | TH conforming to IEC 60068-2-30 |
| Pollution degree | 3 |
| Ambient air temperature for operation | $-25 . . .60^{\circ} \mathrm{C}$ |
| Ambient air temperature for storage | $-60 . . .80^{\circ} \mathrm{C}$ |
| Permissible ambient air temperature around the device | $-40 . . .70^{\circ} \mathrm{C}$ at Uc |
| Operating altitude | 3000 m without derating in temperature |
| Fire resistance | $850{ }^{\circ} \mathrm{C}$ conforming to IEC 60695-2-1 |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Vibrations contactor open 2 Gn, $5 \ldots 300 \mathrm{~Hz}$ Vibrations contactor closed $4 \mathrm{Gn}, 5$... 300 Hz Shocks contactor closed 15 Gn for 11 ms Shocks contactor open 8 Gn for 11 ms |
| Height | 85 mm |
| Width | 45 mm |
| Depth | 92 mm |
| Product weight | 0.438 kg |
| Colour | Grey SE GREY 6 Green SE GREEN 2 |

Offer Sustainability

| Sustainable offer status | Green Premium product |
| :---: | :---: |
| RoHS (date code: YYWW) | Compliant - since 1640 - Schneider Electric declaration of conformity <br> Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
|  | Reference not containing SVHC above the threshold |
| Product environmental profile | Available <br> Product environmental |
| Product end of life instructions | Available <br> End of life manual |

