



Main

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| Range | TeSys |
| Product name | TeSys Integral 63 |
| Product or component type | Contactor breaker |
| Device short name | LD1LD |

Complementary

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| Utilisation category | AC-43 |
| Poles description | 3P |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| [Ie] rated operational current | 63 A AC AC-43 |
| [Ith] conventional free air thermal current | 63 A at ≤ 40 °C |
| Motor power kW | 30 kW at 400 V AC 50/60 Hz 33 kW at 415 V AC 50/60 Hz 55 kW at 660 V AC 50/60 Hz 15 kW at 220...240 V AC 50/60 Hz 33 kW at 440 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz |
| [Uc] control circuit voltage | 110 V AC 50 Hz |
| Control type | Knob black front |
| Irms rated making capacity | 946 A conforming to IEC 60947-4 756 A conforming to IEC 60947-4 |
| [Ipk] rated peak withstand current | 105 kA conforming to IEC 60947-2 |
| Breaking capacity | Icu 10 kA at 600...690 V (cos ϕ 0.5) conforming to IEC 60947-2 Icu 30 kA at 480...525 V (cos ϕ 0.25) conforming to IEC 60947-6-2 Icu 50 kA at ≤ 440 V (cos ϕ 0.25) conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 10 kA at 600...690 V conforming to IEC 60947-2 35 kA at 480...525 V conforming to IEC 60947-2 50 kA at ≤ 440 V conforming to IEC 60947-2 |
| Maximum breaking time | ≤ 4 ms |
| Thermal stress limit | 300000 A ² .s |

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| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-4 |
| Control circuit voltage limits | 0.25...0.7 Uc drop-out at <= 55 °C 0.85...1.1 Uc operation at <= 55 °C |
| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-1 |
| Inrush power in VA | 375 VA at 20 °C 50 Hz |
| Hold-in power consumption in VA | 25 VA at 20 °C |
| Heat dissipation | 5 W at 32 A per pole, hot state for power circuit 7 W at 50 A per pole, hot state for power circuit 8 W at 50 Hz for control circuit 9 W at 63 A per pole, hot state for power circuit 4.4 W at 25 A per pole, hot state for power circuit 5.8 W at 40 A per pole, hot state for power circuit |
| Operating time | 12...35 ms AC network closing at 20 °C for control circuit 7...20 ms AC network opening at 20 °C for control circuit |
| Electrical durability | 1 Mcycles on AC-3 - Icu 3 kA - at 415 V - after 1 cycle O-CO-r-CO at Isc 0.9 Mcycles on AC-3 - Icu 10 kA - at 415 V - after 1 cycle O-CO-r-CO at Isc 0.6 Mcycles on AC-3 - Icu 25 kA - at 415 V - after 1 cycle O-CO-r-CO at Isc 0.5 Mcycles on AC-3 - Icu 35 kA - at 415 V - after 1 cycle O-CO-r-CO at Isc 0.2 Mcycles on AC-3 - Icu 50 kA - at 415 V - after 1 cycle O-CO-r-CO at Isc |
| Mechanical durability | 1.2 Mcycles |
| Connections - terminals | Power circuit : screw clamp terminals 1 cable 6...50 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable 6...25 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable 6...25 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable 6...25 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable 6...50 mm ² - cable stiffness: solid |
| Tightening torque | Power circuit : 6 N.m - on screw clamp terminals |
| Width | 90 mm |
| Height | 243 mm |
| Depth | 192 mm |
| Product weight | 3.7 kg |

Environment

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| Standards | IEC 60204-1 IEC 60364 NF C 63-130 NF C 20-040 BS 4752 BS 4941 NF C 63-650 VDE 0100 VDE 471 NEN IEC 60204-2 IEC 60947-2 BS 5424 VDE 0660 NF C 63-120 VDE 0171 VDE 0110 VDE 0170 NF C 79-100 IEC 60947-1 IEC 60947-4 NF C 63-110 NBN VDE 0113 IEC 60158-1 |
| Product certifications | CSA SETI LROS (Lloyds register of shipping) NEMKO GL ASTA USSR NKK BV OVE |

RINA
UL
DNV
SCC
ASEFA
ASE
DEMKO

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| Protective treatment | TH |
| Ambient air temperature for operation | -20...60 °C |
| Ambient air temperature for storage | -40...80 °C |
| Mechanical robustness | Vibrations de-energised state 3 Gn, 1...300 Hz Vibrations energised state 3 Gn, 1...300 Hz Shocks de-energised state 8 Gn for 11 ms Shocks energised state 8 Gn for 11 ms |
| IP degree of protection | IP20 B conforming to IEC 60144 IP20 B conforming to IEC 60529 |
| Operating altitude | 3000 m without derating |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0833 - 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 Environmental Profile |
| Product end of life instructions | Available End of Life Information |

Contractual warranty

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| Warranty period | 18 months |
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