

Price* : 1,130.64 GBP



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 | 15 kW at 220...240 V AC 50/60 Hz 30 kW at 400 V AC 50/60 Hz 33 kW at 415 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz 55 kW at 660 V AC 50/60 Hz 33 kW at 440 V AC 50/60 Hz |
| [Uc] control circuit voltage | 230...240 V AC 60 Hz |
| Control type | Knob black front |
| Irms rated making capacity | 756 A conforming to IEC 60947-4 946 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 A².s |
| [Uimp] rated impulse withstand voltage | 8 kV IEC 60947-4 |
| Control circuit voltage limits | 0.25...0.7 Uc drop-out 55 °C 0.85...1.1 Uc operation 55 °C |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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| [Ui] rated insulation voltage | 690 V conforming to IEC 60947-1 |
| Inrush power in VA | 450 VA 60 Hz (at 20 °C) |
| 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 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 11 W at 60 Hz for control 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 3 kA at 415 V - after 1 cycle O-CO-r-CO at Isc 0.9 Mcycles on AC-3 10 kA at 415 V - after 1 cycle O-CO-r-CO at Isc 0.6 Mcycles on AC-3 25 kA at 415 V - after 1 cycle O-CO-r-CO at Isc 0.5 Mcycles on AC-3 35 kA at 415 V - after 1 cycle O-CO-r-CO at Isc 0.2 Mcycles on AC-3 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(s) 6...50 mm ² - flexible - without cable end Power circuit: screw clamp terminals 2 cable(s) 6...25 mm ² - flexible - without cable end Power circuit: screw clamp terminals 1 cable(s) 6...25 mm ² - flexible - with cable end Power circuit: screw clamp terminals 2 cable(s) 6...25 mm ² - flexible - with cable end Power circuit: screw clamp terminals 1 cable(s) 6...50 mm ² - 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 | VDE 0660 VDE 471 IEC 60204-2 IEC 60364 BS 4941 VDE 0113 IEC 60947-1 IEC 60947-2 NF C 63-130 VDE 0110 NBN IEC 60947-4 VDE 0100 IEC 60204-1 NF C 63-120 NF C 63-650 IEC 60158-1 NEN VDE 0171 VDE 0170 NF C 79-100 NF C 63-110 BS 5424 NF C 20-040 BS 4752 |
| Product certifications | SETI RINA USSR ASE SCC NKK GL CSA UL NEMKO BV LROS (Lloyds register of shipping) OVE ASTA |

ASEFA
DEMKO
DNV

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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: 3 Gn, 1...300 Hz Vibrations energised: 3 Gn, 1...300 Hz Shocks de-energised: 8 Gn for 11 ms Shocks energised: 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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|----------------------------|---|
| RECh Regulation | RECh Declaration |
| RECh free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| 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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