

Product datasheet

Specifications



Contactor breaker, TeSys Integral 63, 3P, 63A, 690VAC 50/60Hz, AC-1/AC-43, 110VAC coil

LD4LD030F

⚠ Discontinued on: 9 Oct 2023

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Main

Range	TeSys
Product Name	TeSys Integral 63
Product Or Component Type	Contactor breaker
Device Short Name	LD4LD

Complementary

Utilisation Category	AC-43 AC-1
Poles Description	3P
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
[Ie] Rated Operational Current	63 A AC AC-1 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	110 V AC 50 Hz
Test Function	Self test
Control Type	Knob emergency stop red front conforming to CNOMO
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 60947-2 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 conforming to 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

[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-1
Inrush Power In Va	375 VA 50 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 8 W at 50 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
Net Weight	3.8 kg

Environment

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	23.5 cm
Package 1 Width	14.5 cm
Package 1 Length	31.0 cm
Package 1 Weight	4.178 kg
Unit Type Of Package 2	S06
Number Of Units In Package 2	8
Package 2 Height	73.5 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	46.424 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
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