

Product data sheet

Specifications



TeSys Integral - contactor breaker - 63 A AC-43 - 48 V AC coil

LD1LD030CE

⚠ Discontinued

Main

Range	TeSys
Product Name	TeSys Integral 63
Product Or Component Type	Contactor breaker
Device Short Name	LD1LD

Complementary

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 104 °F (40 °C))
Motor Power Kw	15 kW 220...240 V AC 50/60 Hz 30 kW 400 V AC 50/60 Hz 33 kW 415 V AC 50/60 Hz 37 kW 500 V AC 50/60 Hz 55 kW 660 V AC 50/60 Hz 33 kW 440 V AC 50/60 Hz
[Uc] Control Circuit Voltage	48 V AC 60 Hz
Control Type	Knob Black front
Irms Rated Making Capacity	756 A IEC 60947-4 946 A IEC 60947-4
[Ipk] Rated Peak Withstand Current	105 kA IEC 60947-2
Breaking Capacity	Icu 10 kA 600...690 V 0.5) IEC 60947-2 Icu 30 kA 480...525 V 0.25) IEC 60947-6-2 Icu 50 kA <= 440 V 0.25) IEC 60947-2
[Ics] Rated Service Breaking Capacity	10 kA 600...690 V IEC 60947-2 35 kA 480...525 V IEC 60947-2 50 kA <= 440 V 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 131 °F (55 °C) 0.85...1.1 Uc operation 131 °F (55 °C)
[Ui] Rated Insulation Voltage	690 V IEC 60947-1
Inrush Power In Va	450 VA 60 Hz (at 68 °F (20 °C))

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Hold-In Power Consumption In Va	25 VA (at 68 °F (20 °C))
Heat Dissipation	5 W 32 A per pole, hot state power circuit 7 W 50 A per pole, hot state power circuit 9 W 63 A per pole, hot state power circuit 4.4 W 25 A per pole, hot state power circuit 5.8 W 40 A per pole, hot state power circuit 11 W at 60 Hz control circuit
Operating Time	12...35 ms AC closing 68 °F (20 °C) control circuit 7...20 ms AC opening 68 °F (20 °C) control circuit
Electrical Durability	1 Mcycles AC-3 3 kA 415 V - after 1 cycle O-CO-r-CO at Isc 0.9 Mcycles AC-3 10 kA 415 V - after 1 cycle O-CO-r-CO at Isc 0.6 Mcycles AC-3 25 kA 415 V - after 1 cycle O-CO-r-CO at Isc 0.5 Mcycles AC-3 35 kA 415 V - after 1 cycle O-CO-r-CO at Isc 0.2 Mcycles AC-3 50 kA 415 V - after 1 cycle O-CO-r-CO at Isc
Mechanical Durability	1.2 Mcycles
Connections - Terminals	Power circuit screw clamp terminals 1 0.01...0.08 in² (6...50 mm²) flexible - without cable end Power circuit screw clamp terminals 2 0.01...0.04 in² (6...25 mm²) flexible - without cable end Power circuit screw clamp terminals 1 0.01...0.04 in² (6...25 mm²) flexible - with cable end Power circuit screw clamp terminals 2 0.01...0.04 in² (6...25 mm²) flexible - with cable end Power circuit screw clamp terminals 1 0.01...0.08 in² (6...50 mm²) solid
Tightening Torque	Power circuit 53.10 lbf.in (6 N.m) screw clamp terminals
Width	3.54 in (90 mm)
Height	9.57 in (243 mm)
Depth	7.56 in (192 mm)
Net Weight	8.16 lb(US) (3.7 kg)

Environment

Standards	BS 4752 VDE 0660 NF C 79-100 IEC 60947-4 IEC 60364 NF C 63-120 BS 5424 NF C 63-110 VDE 0113 IEC 60947-1 VDE 0170 VDE 471 NF C 20-040 VDE 0100 BS 4941 NF C 63-650 VDE 0110 NF C 63-130 NEN IEC 60947-2 NBN IEC 60158-1 VDE 0171 IEC 60204-2 IEC 60204-1
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Product Certifications	USSR SCC LROS (Lloyds register of shipping) BV NKK ASEFA UL NEMKO CSA DEMKO RINA OVE ASE GL SETI DNV ASTA
Protective Treatment	TH
Ambient Air Temperature For Operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature For Storage	-40...176 °F (-40...80 °C)
Mechanical Robustness	Vibrations de-energised3 Gn, 1...300 Hz Vibrations energised3 Gn, 1...300 Hz Shocks de-energised8 Gn for 11 ms Shocks energised8 Gn for 11 ms
Ip Degree Of Protection	IP20 B conforming to IEC 60144 IP20 B conforming to IEC 60529
Operating Altitude	9842.52 ft (3000 m) without derating

Ordering and shipping details

Category	18402-WORLD SERVICE PARTS(CONTROL ACCESS)
Discount Schedule	CP10
Gtin	3389118099807
Returnability	No

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.72 in (12 cm)
Package 1 Width	8.66 in (22 cm)
Package 1 Length	10.63 in (27 cm)
Package 1 Weight	8.16 lb(US) (3.7 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

✓	Reach Free Of Svhc	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant	EU RoHS Declaration
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.	