

Product data sheet

Specifications



Contactor breaker, TeSys Integral 63, 3P, 63A, 690VAC 50/60Hz, AC-43, 48VDC coil

LD1LD030ED

⚠ Discontinued on: Sep 22, 2023

⚠ 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 DC
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 W	300 W 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 W	8 W 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
Operating Time	15...25 ms DC opening 68 °F (20 °C) control circuit 25...40 ms DC closing 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	VDE 0100 IEC 60364 IEC 60947-1 VDE 471 IEC 60947-4 IEC 60947-2 IEC 60204-1 VDE 0171 BS 4752 NEN VDE 0110 NF C 63-650 NF C 79-100 NF C 20-040 VDE 0113 VDE 0660 BS 5424 NF C 63-130 VDE 0170 NBN NF C 63-120 NF C 63-110 IEC 60204-2 BS 4941 IEC 60158-1
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Product Certifications	DEMKO DNV SETI UL LROS (Lloyds register of shipping) RINA ASE SCC NEMKO GL ASTA ASEFA CSA BV OVE NKK USSR
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	22382-STRS,INTEGRAL 32&63,OPEN
Discount Schedule	I11
Gtin	3389110176520
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.06 in (23.0 cm)
Package 1 Width	5.51 in (14.0 cm)
Package 1 Length	12.01 in (30.5 cm)
Package 1 Weight	9.55 lb(US) (4.332 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.