

Product datasheet

Specifications



TeSys Integral - contactor breaker - 63 A AC-43 - 24 V DC coil

LD1LD030BD

⚠ Discontinued on: 09 Oct 2023

Price: 29,943.40 ZAR

⚠ 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 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	24 V DC
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 60947-2 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
[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-1
Inrush Power In W	300 W (at 20 °C)

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 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
Operating Time	15...25 ms DC network opening at 20 °C for control circuit 25...40 ms DC network closing 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 mm² - flexible - without cable end Power circuit: screw clamp terminals 2 cable(s) 6...25 mm² - flexible - without cable end Power circuit: screw clamp terminals 1 cable(s) 6...25 mm² - flexible - with cable end Power circuit: screw clamp terminals 2 cable(s) 6...25 mm² - flexible - with cable end Power circuit: screw clamp terminals 1 cable(s) 6...50 mm² - solid
Tightening Torque	Power circuit: 6 N.m - on screw clamp terminals
Width	90 mm
Height	243 mm
Depth	192 mm
Net Weight	3.7 kg

Environment

Standards	VDE 0110 NBN IEC 60158-1 NF C 63-650 IEC 60204-1 IEC 60947-2 IEC 60947-1 VDE 0171 BS 4941 VDE 0170 VDE 471 NF C 63-120 IEC 60204-2 NF C 63-130 IEC 60947-4 BS 4752 NF C 79-100 VDE 0660 VDE 0100 BS 5424 NF C 63-110 NF C 20-040 NEN IEC 60364 VDE 0113
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Product Certifications	ASEFA LROS (Lloyds register of shipping) RINA DEMKO UL SETI SCC CSA NKK DNV NEMKO ASTA ASE OVE BV GL USSR
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	4.213 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.139 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