

# Product data sheet

Specifications



## Contactor breaker, TeSys Integral 63, 3P, 63A, 690VAC 50/60Hz, AC-43, 24VDC coil

LD1LD030BD

**Discontinued on:** Sep 22, 2023

**Discontinued**

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### 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	24 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

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

Inrush Power In W	300 W 68 °F (20 °C))
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 in <sup>2</sup> (6...50 mm <sup>2</sup> ) flexible - without cable end Power circuit screw clamp terminals 2 0.01...0.04 in <sup>2</sup> (6...25 mm <sup>2</sup> ) flexible - without cable end Power circuit screw clamp terminals 1 0.01...0.04 in <sup>2</sup> (6...25 mm <sup>2</sup> ) flexible - with cable end Power circuit screw clamp terminals 2 0.01...0.04 in <sup>2</sup> (6...25 mm <sup>2</sup> ) flexible - with cable end Power circuit screw clamp terminals 1 0.01...0.08 in <sup>2</sup> (6...50 mm <sup>2</sup> ) 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 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	-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	US10I1122382
Discount Schedule	0I11
Gtin	3389110176513
Returnability	No
Country Of Origin	FR

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.25 in (23.5 cm)
Package 1 Width	5.71 in (14.5 cm)
Package 1 Length	12.20 in (31.0 cm)
Package 1 Weight	9.29 lb(US) (4.213 kg)
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	20.15 lb(US) (9.139 kg)

## Contractual warranty

Warranty	18 months
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# Sustainability



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

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> 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.