

Product datasheet

Specifications



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

LD4LD030E

⚠ Discontinued on: 30 Sept 2020

⚠ End-of-service on: 22 Dec 2020

⚠ Discontinued

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	48 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 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	3.8 kg

Environment

Standards	IEC 60364 NF C 20-040 BS 4941 VDE 0113 NF C 63-130 NF C 63-650 VDE 0170 IEC 60947-1 NF C 63-120 VDE 0660 VDE 0110 NF C 79-100 IEC 60158-1 BS 4752 IEC 60204-1 NF C 63-110 BS 5424 IEC 60947-2 VDE 0171 IEC 60204-2 NEN VDE 0100 VDE 471 IEC 60947-4 NBN
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Product certifications	DEMKO USSR UL CSA ASEFA DNV LROS (Lloyds register of shipping) GL BV ASTA NEMKO RINA NKK ASE SETI OVE SCC
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 cm
Package 1 Width	14.5 cm
Package 1 Length	31 cm
Package 1 Weight	4.286 kg



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Packaging	
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins