Product datasheet

Specifications

Discontinued

Contactor breaker, TeSys Integral 63, 3P, 63A, 690VAC 50/60Hz, AC-43, 220 to 230VAC coil

LD1LD030M

Discontinued on: 9 Oct 2023

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	220...230 V AC 50 Hz
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 60947-6-2 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 $A^2.s$
[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 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	3.7 kg

Environment

Standards	IEC 60204-1 BS 5424 NF C 79-100 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0171 VDE 471 NF C 63-120 NF C 63-650 VDE 0110 NF C 20-040 IEC 60947-1 BS 4941 NBN IEC 60947-2 VDE 0100 NEN VDE 0660 VDE 0113 IEC 60204-2 BS 4752 NF C 63-130 IEC 60364 VDE 0170

Product Certifications	ASEFA RINA DNV SETI LROS (Lloyds register of shipping) BV USSR GL SCC ASTA UL NKK OVE NEMKO CSA ASE DEMKO
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	23.200 cm
Package 1 Width	14.500 cm
Package 1 Length	31.000 cm
Package 1 Weight	4.065 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	8
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	44.520 kg

Contractual warranty

Warranty	18 months

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-CO_2 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