



Main

Range	TeSys
Product name	TeSys Integral 63
Product or component type	Reversing contactor breaker
Device short name	LD5LD
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 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	120 V AC 60 Hz
Test function	Self test
Control type	Knob emergency stop Red front CNOMO

Complementary

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 VA	450 VA 60 Hz 68 °F (20 °C))
Hold-in power consumption in VA	25 VA 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 11 W at 60 Hz control circuit
Operating time	12...35 ms AC closing 68 °F (20 °C) control circuit 7...20 ms AC opening 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Mechanical durability	1.2 Mcycles
Connections - terminals	Power circuit screw clamp terminals 1 0.01...0.08 in ² (6...50 mm ²) flexible - without cable end Power circuit screw clamp terminals 2 0.01...0.04 in ² (6...25 mm ²) flexible - without cable end Power circuit screw clamp terminals 1 0.01...0.04 in ² (6...25 mm ²) flexible - with cable end Power circuit screw clamp terminals 2 0.01...0.04 in ² (6...25 mm ²) flexible - with cable end Power circuit screw clamp terminals 1 0.01...0.08 in ² (6...50 mm ²) solid
Tightening torque	Power circuit 53.10 lbf.in (6 N.m) screw clamp terminals
Maximum Width	7.13 in (181 mm)
Maximum Height	10.83 in (275 mm)
Maximum Depth	7.64 in (194 mm)
Net Weight	16.76 lb(US) (7.6 kg)

Environment

Standards	IEC 60158-1 NF C 63-130 NF C 63-120 NF C 63-650 IEC 60204-1 IEC 60947-2 NF C 63-110 BS 5424 NF C 79-100 VDE 0113 VDE 0660 IEC 60947-1 IEC 60364 VDE 471 VDE 0170 NEN BS 4752 VDE 0110 VDE 0100 BS 4941 VDE 0171 IEC 60204-2 NF C 20-040 NBN IEC 60947-4
Product certifications	LROS (Lloyds register of shipping) OVE GL UL BV DNV ASEFA NKK USSR DEMKO SCC CSA ASTA NEMKO RINA ASE SETI
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 IEC 60144 IP20 B 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	00785901872535
Nbr. of units in pkg.	1
Package weight(Lbs)	20.81 lb(US) (9.44 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	1.800 dm
Package 1 width	1.940 dm
Package 1 Length	2.750 dm

Offer Sustainability

REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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