



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	30 kW at 400 V AC 50/60 Hz 33 kW at 415 V AC 50/60 Hz 55 kW at 660 V AC 50/60 Hz 15 kW at 220...240 V AC 50/60 Hz 33 kW at 440 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz
[Uc] control circuit voltage	380...400 V AC 50 Hz 480 V AC 60 Hz
Control type	Knob black front
Irms rated making capacity	946 A conforming to IEC 60947-4 756 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 f 0.5) conforming to IEC 60947-2 Icu 30 kA at 480...525 V (cos f 0.25) conforming to IEC 60947-6-2 Icu 50 kA at ≤ 440 V (cos f 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 U _c drop-out at ≤ 55 °C 0.85...1.1 U _c operation at ≤ 55 °C
[U _i] rated insulation voltage	690 V conforming to IEC 60947-1
Inrush power in VA	375 VA at 20 °C 50 Hz 450 VA at 20 °C 60 Hz
Hold-in power consumption in VA	25 VA at 20 °C
Heat dissipation	11 W at 60 Hz for control circuit 5 W at 32 A per pole, hot state for power circuit 7 W at 50 A per pole, hot state for power circuit 8 W at 50 Hz for control 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	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 - I _{cu} 3 kA - at 415 V - after 1 cycle O-CO-r-CO at I _{sc} 0.9 Mcycles on AC-3 - I _{cu} 10 kA - at 415 V - after 1 cycle O-CO-r-CO at I _{sc} 0.6 Mcycles on AC-3 - I _{cu} 25 kA - at 415 V - after 1 cycle O-CO-r-CO at I _{sc} 0.5 Mcycles on AC-3 - I _{cu} 35 kA - at 415 V - after 1 cycle O-CO-r-CO at I _{sc} 0.2 Mcycles on AC-3 - I _{cu} 50 kA - at 415 V - after 1 cycle O-CO-r-CO at I _{sc}
Mechanical durability	1.2 Mcycles
Connections - terminals	Power circuit : screw clamp terminals 1 cable 6...50 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable 6...25 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable 6...25 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable 6...25 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable 6...50 mm ² - cable stiffness: solid
Tightening torque	Power circuit : 6 N.m - on screw clamp terminals
Width	90 mm
Height	243 mm
Depth	192 mm
Product weight	3.7 kg

Environment

Standards	BS 4941 NBN IEC 60947-2 NF C 79-100 NF C 63-650 IEC 60364 VDE 0100 NF C 20-040 VDE 0170 VDE 0171 IEC 60204-1 BS 4752 NF C 63-130 BS 5424 VDE 0110 NEN VDE 0660 NF C 63-110 IEC 60947-1 VDE 0113 IEC 60158-1 VDE 471 IEC 60204-2 NF C 63-120 IEC 60947-4
Product certifications	ASEFA ASTA UL SETI USSR RINA DEMKO

CSA
 LROS (Lloyds register of shipping)
 NKK
 SCC
 GL
 OVE
 DNV
 BV
 NEMKO
 ASE

Protective treatment	TH
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Mechanical robustness	Vibrations de-energised state 3 Gn, 1...300 Hz Vibrations energised state 3 Gn, 1...300 Hz Shocks de-energised state 8 Gn for 11 ms Shocks energised state 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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