



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 at $\leq 40\text{ }^{\circ}\text{C}$
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	220...230 V AC 50 Hz
Test function	Self test
Control type	Knob emergency stop red front conforming to CNOMO

Complementary

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 60947-2 Icu 50 kA at $\leq 440\text{ V}$ (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 $\leq 440\text{ V}$ conforming to IEC 60947-2
Maximum breaking time	$\leq 4\text{ ms}$

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
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 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	181 mm
Height	275 mm
Depth	194 mm
Product weight	7.6 kg

Environment

Standards	IEC 60947-1 VDE 0113 VDE 0660 BS 4941 IEC 60947-4 NEN NF C 63-130 IEC 60947-2 VDE 0100 IEC 60364 IEC 60204-2 VDE 0110 BS 4752 NF C 63-120 NF C 63-650 NF C 20-040 NBN NF C 79-100 NF C 63-110 IEC 60204-1 IEC 60158-1 VDE 0170 BS 5424 VDE 0171 VDE 471
Product certifications	UL DEMKO CSA ASE BV OVE USSR LROS (Lloyds register of shipping) NEMKO

NKK
DNV
ASTA
RINA
SETI
SCC
GL
ASEFA

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 - since 0839 - Schneider Electric declaration of conformity 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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