LC2D09U7 **REVERSING CONTACTOR 575VAC 9A IEC**



Main

Main		
Range of product	TeSys D	
Range	TeSys	
Product name	TeSys D	
Product or component type	Reversing contactor	
Device short name	LC2D	
Contactor application	Motor control Resistive load	
Utilisation category	AC-3 AC-1	
Device presentation	Preassembled with reversing power busbar	
Poles description	3P	
Pole contact composition	3 NO	
[Ue] rated operational voltage	<= 300 V DC for power circuit <= 690 V AC 25400 Hz for power circuit	
[le] rated operational current	25 A (<= 60 °C) at <= 440 V AC AC-1 for power circuit 9 A (<= 60 °C) at <= 440 V AC AC-3 for power circuit	
Motor power kW	4 kW at 380400 V AC 50/60 Hz 2.2 kW at 220230 V AC 50/60 Hz 5.5 kW at 500 V AC 50/60 Hz 5.5 kW at 660690 V AC 50/60 Hz 4 kW at 415440 V AC 50/60 Hz	
Motor power hp	0.5 hp at 115 V AC 50/60 Hz for 1 phase motors 1 hp at 230/240 V AC 50/60 Hz for 1 phase motors 2 hp at 200/208 V AC 50/60 Hz for 3 phases motors 2 hp at 230/240 V AC 50/60 Hz for 3 phases motors 5 hp at 460/480 V AC 50/60 Hz for 3 phases motors 7.5 hp at 575/600 V AC 50/60 Hz for 3 phases motors	
Control circuit type	AC 50/60 Hz	
Control circuit voltage	240 V AC 50/60 Hz	
Auxiliary contact composition	1 NO + 1 NC	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	
Overvoltage category		



Control circuit : screw clamp terminals 1 cable(s) 14 mm ² - cable stiffness: solid - without cable en Control circuit : screw clamp terminals 2 cable(s) 14 mm ² - cable stiffness: solid - without cable en Power circuit : screw clamp terminals 1 cable(s) 14 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 125 mm ² - cable stiffness: flexible - with cable en Power circuit : screw clamp terminals 1 cable(s) 14 mm ² - cable stiffness: solid - without cable end	[Ith] conventional free air thermal current	25 A at <= 60 °C for power circuit 10 A at <= 60 °C for signalling circuit
[tov] rated short-time withstand current 105 A <= 40 °C 10 s power circuit	Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1
210 A <= 40 °C 1 s power circuit	Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947
25 A gG at <= 690 V coordination type 1 for power circuit	[Icw] rated short-time withstand current	210 A <= 40 °C 1 s power circuit 30 A <= 40 °C 10 min power circuit 61 A <= 40 °C 1 min power circuit 100 A 1 s signalling circuit 120 A 500 ms signalling circuit
[Ui] rated insulation voltage 600 V for power circuit certifications CSA 600 V for power circuit certifications UL 600 V for signalling circuit certifications UL 600 V for signalling circuit certifications UL Electrical durability 0.6 Mcycles 26 AC-1 at Ue <= 440 V	Associated fuse rating	25 A gG at <= 690 V coordination type 1 for power circuit
Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 125 mm² - cable stiffness: flexible - with cable end Connections - terminals Control circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Connections - terminals Control circuit: screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Prover circuit: screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Product certifications Control circuit: screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Prover circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Product certifications Control circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Prover circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Connections - terminals Control circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s)	Average impedance	2.5 mOhm at 50 Hz - Ith 25 A for power circuit
2 Mcycles 9 A AC-3 at Ue <= 440 V	[Ui] rated insulation voltage	600 V for power circuit certifications UL 690 V for power circuit conforming to IEC 60947-4-1 690 V for signalling circuit conforming to IEC 60947-1 600 V for signalling circuit certifications CSA
1.56 W AC-1 Protective cover With Interlocking type Mechanical Mounting support Plate Rail Standards Standards CSA C22.2 No 14 EN 60947-8-1 EN 60947-8-1 IEC 60947-8-1 IEC 60947-8-1 U. 508 UL Product certifications CCC UL GL RINA DNV BV CSA CSA GOST LROS Control circuit : screw clamp terminals 2 cable(s) 12.5 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: slexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: fle	Electrical durability	
Interlocking type Mechanical Mounting support Plate Rail Standards CSA C22.2 No 14 EN 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 IEC 60947-5-1 UL 508 Product certifications CCC UL GL RINA DNV EV CSA GOST LROS Connections - terminals Control circuit : screw clamp terminals 2 cable(s) 12.5 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² -	Power dissipation per pole	
Mounting support Plate Rail Standards CSA C22 No 14 EN 60947-5-1 UL EC 60947-5-1 UL 508 Product certifications CCC UL GL RINA DNV BV CSA GOST LROS Connections - terminals Control circuit : screw clamp terminals 2 cable(s) 12.5 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm²	Protective cover	With
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UL GL RINA DNV BV CSA GOST LROS Control circuit : screw clamp terminals 2 cable(s) 12.5 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with out cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : 1.7 N.m - on screw clamp terminals - with screwdrive	Standards	EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1
end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp	Product certifications	UL GL RINA DNV BV CSA GOST
Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable endTightening torquePower circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : 1.7 N.m - on screw clamp terminals - cable stiffness: solid - without cable end Power circuit :	Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 12.5 mm ² - cable stiffness: flexible - with cable
Power circuit : 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit : 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit : 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Operating time 419 ms opening		 Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 14 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 14 mm² - cable stiffness: flexible - without cable end
Operating time 419 ms opening	Tightening torque	Power circuit : 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit : 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
	Operating time	

Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	15 Mcycles
Operating rate	3600 cyc/h at <= 60 °C

Complementary

Complementary		
Coil technology	Without built-in suppressor module	
Control circuit voltage limits	0.30.6 Uc drop-out at 60 °C, AC 50/60 Hz 0.81.1 Uc operational at 60 °C, AC 50 Hz 0.851.1 Uc operational at 60 °C, AC 60 Hz	
Inrush power in VA	70 VA at 20 °C (cos φ 0.75) 60 Hz 70 VA at 20 °C (cos φ 0.75) 50 Hz	
Hold-in power consumption in VA	7.5 VA at 20 °C (cos φ 0.3) 60 Hz 7 VA at 20 °C (cos φ 0.3) 50 Hz	
Heat dissipation	23 W at 50/60 Hz	
Auxiliary contacts type	Type mechanically linked (1 NO + 1 NC) conforming to IEC 60947-5-1 Type mirror contact (1 NC) conforming to IEC 60947-4-1	
Signalling circuit frequency	25400 Hz	
Minimum switching current	5 mA for signalling circuit	
Non-overlap time	1.5 ms on de-energisation (between NC and NO contact) 1.5 ms on energisation (between NC and NO contact)	
Insulation resistance	> 10 MOhm for signalling circuit	

Environment

IP degree of protection	IP20 front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	-2060 °C
Ambient air temperature for storage	-6080 °C
Permissible ambient air temperature around the device	-4070 °C at Uc
Operating altitude	3000 m without derating in temperature
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open 2 Gn, 5300 Hz Vibrations contactor closed 4 Gn, 5300 Hz Shocks contactor open 10 Gn for 11 ms Shocks contactor closed 15 Gn for 11 ms
Height	77 mm
Width	90 mm
Depth	86 mm
Product weight	0.687 kg

Offer Sustainability

Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 0627 - 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	
Product end of life instructions	Available	
	🛃 End of life manual	

Contractual warranty	
Warranty period 18 m	nonths