



TeSys Deca contactor - 3P(3 NO) - AC-3 - <= 440 V 32 A - 36 V DC coil

LC1D325CD

! Discontinued

Main

Range	TeSys
Range Of Product	TeSys D
Product Or Component Type	Contactor
Device Short Name	LC1D
Contactor Application	Resistive load Motor control
Utilisation Category	AC-1 AC-3
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC
[le] Rated Operational Current	32 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 50 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
[Uc] Control Circuit Voltage	36 V DC

Complementary

Complementary	
Motor Power Kw	7.5 kW at 220230 V AC 50/60 Hz
	15 kW at 380400 V AC 50/60 Hz
	15 kW at 415440 V AC 50/60 Hz
	18.5 kW at 500 V AC 50/60 Hz
	18.5 kW at 660690 V AC 50/60 Hz
Motor Power Hp	2 hp at 115 V AC 50/60 Hz for 1 phase motors
	5 hp at 230/240 V AC 50/60 Hz for 1 phase motors
	7.5 hp at 200/208 V AC 50/60 Hz for 3 phases motors
	10 hp at 230/240 V AC 50/60 Hz for 3 phases motors
	20 hp at 460/480 V AC 50/60 Hz for 3 phases motors
	30 hp at 575/600 V AC 50/60 Hz for 3 phases motors
Compatibility Code	LC1D
Pole Contact Composition	3 NO
Contact Compatibility	M4
Protective Cover	Without
[Ith] Conventional Free Air	10 A (at 60 °C) for signalling circuit
Thermal Current	50 A (at 60 °C) for power circuit
Irms Rated Making Capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1
	250 A DC for signalling circuit conforming to IEC 60947-5-1
	550 A at 440 V for power circuit conforming to IEC 60947
Rated Breaking Capacity	550 A at 440 V for power circuit conforming to IEC 60947

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[Icw] Rated Short-Time Withstand	260 A 40 °C - 10 s for power circuit
Current	430 A 40 °C - 1 s for power circuit
	60 A 40 °C - 10 min for power circuit
	138 A 40 °C - 1 min for power circuit
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	100 A - 1 s for signalling circuit
	120 A - 500 ms for signalling circuit
	140 A - 100 ms for signalling circuit
Associated Fuse Pating	40 A a C for a invalling airs, it conferming to IEC COOAT E 4
Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
	63 A gG at <= 690 V coordination type 1 for power circuit
	63 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2 mOhm - Ith 50 A 50 Hz for power circuit
Power Dissipation Per Pole	2 W AC-3
Tower Dissipation Fer Fole	
	5 W AC-1
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1
[5.] Nated insulation voltage	Power circuit: 690 V Conforming to IEC 60947-4-1 Power circuit: 600 V CSA certified
	Power circuit: 600 V UL certified
	Signalling circuit: 690 V conforming to IEC 60947-1
	Signalling circuit: 600 V CSA certified
	Signalling circuit: 600 V UL certified
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Safety Reliability Level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1
curety Hondomey 2000	•
	B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO
	13849-1
Mechanical Durability	30 Mcycles
Electrical Durability	1.65 Mcycles 32 A AC-3 at Ue <= 440 V
Electrical Darability	
	1.4 Mcycles 50 A AC-1 at Ue <= 440 V
Control Circuit Type	DC standard
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	0.10.25 Uc (-4070 °C):drop-out DC
	0.71.25 Uc (-4060 °C):operational DC
	11.25 Uc (6070 °C):operational DC
Inrush Power In W	5.4 W (at 20 °C)
Hold-In Power Consumption In W	5.4 W at 20 °C
Operating Time	53.5572.45 ms closing
epo. duning rinno	•
	1624 ms opening
Time Constant	20 mg
	28 ms
Maximum Operating Rate	3600 cyc/h 60 °C

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driver flat Ø 6 mm
driver Philips No 2
driver flat Ø 6 mm driver Philips No 2
7-5-1
amp heat

Operating Altitude	03000 m	
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 closed (15 Gn for 11 ms) Shocks contactor open (8 Gn for 11 ms)	
Height	85 mm	
Width	45 mm	
Depth	99 mm	
Net Weight	0.535 kg	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Contractual warranty

Warranty 18 months