

TeSys Deca contactor - 3P(3 NO) - AC-3 - <= 440 V 12 A - 24 V AC coil

LC1D1235B7

! Discontinued

Main

Range	TeSys	
Range Of Product	TeSys Deca	
Product Or Component Type	Contactor	
Device Short Name	LC1D	
Contactor Application	Resistive load Motor control	
Utilisation Category	AC-3 AC-1	
Poles Description	3P	
[Ue] Rated Operational Voltage	ed Operational Voltage Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	
[le] Rated Operational Current	16 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 12 A (at <60 °C) at <= 440 V AC AC-3 for power circuit	
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz	

Complementary

Motor Power Kw	3 kW at 220230 V AC 50/60 Hz 5.5 kW at 380400 V AC 50/60 Hz 5.5 kW at 415440 V AC 50/60 Hz 7.5 kW at 500 V AC 50/60 Hz 7.5 kW at 660690 V AC 50/60 Hz		
Motor Power Hp	0.5 hp at 115 V AC 50/60 Hz for 1 phase motors 2 hp at 230/240 V AC 50/60 Hz for 1 phase motors 3 hp at 200/208 V AC 50/60 Hz for 3 phases motors 3 hp at 230/240 V AC 50/60 Hz for 3 phases motors 7.5 hp at 460/480 V AC 50/60 Hz for 3 phases motors 10 hp at 575/600 V AC 50/60 Hz for 3 phases motors		
Compatibility Code	LC1D		
Pole Contact Composition	3 NO		
Protective Cover	Without		
[Ith] Conventional Free Air Thermal Current	10 A (at 60 °C) for signalling circuit 16 A (at 60 °C) for power circuit		
Irms Rated Making Capacity	250 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1		
Rated Breaking Capacity	250 A at 440 V for power circuit conforming to IEC 60947		

105 A 40 °C - 10 s for power circuit 210 A 40 °C - 1 s for power circuit			
30 A 40 °C - 10 min for power circuit			
61 A 40 °C - 1 min for power circuit 100 A - 1 s for signalling circuit			
120 A - 500 ms for signalling circuit			
140 A - 100 ms for signalling circuit			
10 A gG for signalling circuit conforming to IEC 60947-5-1			
40 A gG at <= 690 V coordination type 1 for power circuit 25 A gG at <= 690 V coordination type 2 for power circuit			
2.5 mOhm - Ith 16 A 50 Hz for power circuit			
0.36 W AC-3 1.56 W AC-1			
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			
III			
3			
6 kV conforming to IEC 60947			
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			
15 Mcycles			
2 Mcycles 12 A AC-3 at Ue <= 440 V 0.8 Mcycles 25 A AC-1 at Ue <= 440 V			
0.8 Mcycles 25 A AC-1 at Ue <= 440 V			
0.8 Mcycles 25 A AC-1 at Ue <= 440 V AC at 50/60 Hz			
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AC at 50/60 Hz Without built-in suppressor module 0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz			
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Non-Overlap Time Mounting Support Environment Standards	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact Plate Rail CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1		
Environment	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1		
	EN 60947-4-1 EN 60947-5-1		
Standards	EN 60947-4-1 EN 60947-5-1		
	IEC 60947-5-1 UL 508		
Product Certifications	CSA BV UL GL RINA DNV LROS (Lloyds register of shipping) CCC GOST		
Ip Degree Of Protection	IP20 front face conforming to IEC 60529		
Protective Treatment	TH conforming to IEC 60068-2-30		
Climatic Withstand	conforming to IACS E10 exposure to damp heat conforming to IEC 60947-1 Annex Q category D exposure to damp heat		
Permissible Ambient Air Temperature Around The Device	-6080 °C storage -4060 °C operation 6070 °C with derating		
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 open (10 Gn for 11 ms) Shocks contactor closed (15 Gn for 11 ms)		
Height	99 mm		
Width	45 mm		
Depth	84 mm		
Net Weight	0.325 kg		

Packing Units

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

Contractual warranty

Warrantv	18 months	