Bảng thông số sản phẩm

Thông số kỹ thuật





Contactor, TeSys Deca, 3P(3NO), AC-3/AC-3e, <=440V, 9A, 24V DC coil, screw clamp terminals

LC1D09BD

Main

Range of product	TeSys Deca	
Product or component type	Contactor	
Device short name	LC1D	
contactor application	Motor control Resistive load	
Utilisation category	AC-4 AC-1 AC-3 AC-3e	
poles description	3P	
[Ue] rated operational voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC	
[le] rated operational current	9 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 25 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 9 A (at <60 °C) at <= 440 V AC AC-3e for power circuit	
[Uc] control circuit voltage	24 V DC	

Complementary

Motor power kW	2.2 kW at 220230 V AC 50/60 Hz (AC-3) 4 kW at 380400 V AC 50/60 Hz (AC-3) 4 kW at 415440 V AC 50/60 Hz (AC-3) 5.5 kW at 500 V AC 50/60 Hz (AC-3) 5.5 kW at 660690 V AC 50/60 Hz (AC-3) 2.2 kW at 400 V AC 50/60 Hz (AC-4) 2.2 kW at 220230 V AC 50/60 Hz (AC-3e) 4 kW at 380400 V AC 50/60 Hz (AC-3e) 4 kW at 415440 V AC 50/60 Hz (AC-3e) 5.5 kW at 500 V AC 50/60 Hz (AC-3e) 5.5 kW at 660690 V AC 50/60 Hz (AC-3e)
Motor power hp	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 0.33 hp at 115 V AC 50/60 Hz for 1 phase motors
Compatibility code	LC1D
Pole contact composition	3 NO
Protective cover	With
[Ith] conventional free air thermal current	25 A (at 60 °C) for power circuit 10 A (at 60 °C) for signalling 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

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[Icw] rated short-time withstand	105 A 40 °C - 10 s for power circuit
current	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
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
	25 A gG at <= 690 V coordination type 1 for power circuit
	20 A gG at <= 690 V coordination type 2 for power circuit
Average impedance	2.5 mOhm - Ith 25 A 50 Hz for power circuit
Power dissipation per pole	1.56 W AC-1
	0.2 W AC-3
	0.2 W AC-3e
[Ui] rated 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 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	30 Mcycles
Electrical durability	0.6 Mcycles 25 A AC-1 at Ue <= 440 V
	2 Mcycles 9 A AC-3 at Ue <= 440 V
	2 Mcycles 9 A AC-3e 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	63 ±15 % ms closing 20 ±20 % ms opening
Time constant	28 ms
Maximum operating rate	3600 cyc/h 60 °C
Maximum operating rate	3600 cyc/h at 60 °C

Connections - terminals	Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without	
	cable end	
	Power circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end	
	Power circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable	
	end Power circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with	
	cable end	
	Power circuit: screw clamp terminals 1 14 mm ² - cable stiffness: solid without cable end	
	Power circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid without cable	
	end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without	
	cable end Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without	
	cable end	
	Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end	
	Control circuit: screw clamp terminals 2 12.5 mm² - cable stiffness: flexible with	
	cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid without	
	cable end	
	Control circuit: screw clamp terminals 2 14 mm ² - cable stiffness: solid without cable end	
	Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm	
	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	
	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
	Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2	
Auxiliary contact composition	tion 1 NO + 1 NC	
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 voltage	17 V for signalling circuit	
Minimum switching current	5 mA for signalling circuit	
Insulation resistance	> 10 MOhm 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	
Mounting support	Plate Rail	
Environment		
Standards	CSA C22.2 No 14	
	EN 60947-4-1	
	EN 60947-5-1 IEC 60947-4-1	
	IEC 60947-5-1	
	UL 60947-4-1	
	IEC 60335-1:Clause 30.2 IEC 60335-2-40:Annex JJ	
	UL 60335-2-40:Annex JJ	
	CSA C22.2 No 60947-4-1	
product certifications	UL	
	CCC CSA	
	Marine	
	UKCA	
	EAC CB Scheme	
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	

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Permissible ambient air temperature around the device	-4060 °C 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	77 mm	
Width	45 mm	
Depth	95 mm	
Net weight	0.48 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.000 cm
Package 1 Width	9.200 cm
Package 1 Length	11.100 cm
Package 1 Weight	523.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.160 kg
Unit Type of Package 3	P06
Number of Units in Package 3	240
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	137.280 kg

Contractual warranty

Warranty 18 months



Nhãn **Green PremiumTM** là cam kết của Schneider Electric trong việc cung cấp sản phẩm với hiệu suất môi trường tốt nhất. Green Premium cam kết tuân thủ các quy định mới nhất, minh bạch về tác động môi trường, cũng như các sản phẩm tuần hoàn và CO₂ thấp.

Hướng dẫn đánh giá tính bền vững của sản phẩm là tài liệu kỹ thuật phổ thông giúp làm rõ các tiêu chuẩn nhãn sinh thái toàn cầu và cách diễn giải việc khai báo môi trường.

Tìm hiểu thêm về Green Premium >

Hướng dẫn đánh giá về sự bền vững của sản phẩm >







Bao bì bền vững Minh bạch RoHS/REACh

Hiệu suất tài nguyên



Sustainable Packaging

Hiệu suất sức khoể



Mercury Free



Rohs Exemption Information

Voo



Pvc Free

Chứng nhân & Tiêu chuẩn

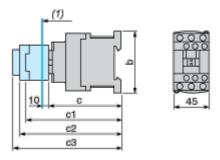
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Bảng thông số sản phẩm

LC1D09BD

Dimensions Drawings

Dimensions



(1) Minimum electrical clearance

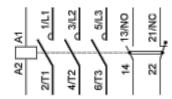
LC1		D09D18	D093D123	D099D129
b		77	99	80
	without cover or add-on blocks	93	93	93
С	with cover, without add-on blocks	95	95	95
с1	with LAD N or C (2 or 4 contacts)	126	126	126
с2	with LA6 DK10	138	138	138
-2	with LAD T, R, S	146	146	146
c3	with LAD T, R, S and sealing cover	150	150	150

Bảng thông số sản phẩm

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Connections and Schema

Wiring



Bảng thông số sản phẩm

LC1D09BD

Image of product / Alternate images

Alternative

LC1D09BD





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