www.BaBaedison.com / ۹۹۱۲-۰۰ ۶۷ ۲۷ ۸ / ۴۰۰ داخلی ۲۵۰۰۰۵۲ الایسون تامین کننده تجهیزات برق صنعتی / ۸۲۰۰۳۵۵۹۲ داخلی ۲۰۰۰ ۲ ۸ ۸ ۲۰۰۰ بابا ادیسون تامین کننده تجهیزات برق صنعتی / ۸۲۰۰۳۵۰

Product datasheet

Specifications





TeSys D contactor - 3P(3 NO) -AC-3 - <= 440 V 50 A - 110 V DC standard coil

LC1D50AFD

Main

Range	TeSys TeSys Deca		
Range Of Produc	TeSys Deca		
Product Or Component Type	Contactor		
Device Short Name	LC1D		
Contactor Application	Resistive load Motor control		
Utilisation Category	AC-4 AC-1 AC-3 AC-3e		
Poles Description	ЗР		
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 25400 Hz Power circuit: <= 300 V DC		
[le] Rated Operational Current	50 A (at <60 °C) at <= 440 V AC AC-3 for power circuit 80 A (at <60 °C) at <= 440 V AC AC-1 for power circuit 50 A (at <60 °C) at <= 440 V AC AC-3e for power circuit		
[Uc] Control Circuit Voltage	110 V DC		

Complementary

Motor Power Kw	15 kW at 220230 V AC 50/60 Hz (AC-3) 22 kW at 380400 V AC 50/60 Hz (AC-3) 30 kW at 500 V AC 50/60 Hz (AC-3) 33 kW at 660690 V AC 50/60 Hz (AC-3)
	25 kW at 415 V AC 50/60 Hz (AC-3) 30 kW at 440 V AC 50/60 Hz (AC-3)
	11 kW at 400 V AC 50/60 Hz (AC-4) 15 kW at 220230 V AC 50/60 Hz (AC-3e) 22 kW at 380400 V AC 50/60 Hz (AC-3e) 30 kW at 500 V AC 50/60 Hz (AC-3e)
8	33 kW at 660690 V AC 50/60 Hz (AC-3e) 25 kW at 415 V AC 50/60 Hz (AC-3e) 30 kW at 440 V AC 50/60 Hz (AC-3e)
Motor Power Hp	3 hp at 115 V AC 50/60 Hz for 1 phase motors 7.5 hp at 230/240 V AC 50/60 Hz for 1 phase motors 15 hp at 200/208 V AC 50/60 Hz for 3 phases motors 15 hp at 230/240 V AC 50/60 Hz for 3 phases motors 40 hp at 460/480 V AC 50/60 Hz for 3 phases motors 40 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	With

[Ith] Conventional Free Air Thermal Current	10 A (at 60 °C) for signalling circuit 80 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 60947-5-1 900 A at 440 V for power circuit conforming to IEC 60947		
Rated Breaking Capacity	900 A at 440 V for power circuit conforming to IEC 60947		
[Icw] Rated Short-Time Withstand Current	400 A 40 °C - 10 s for power circuit 810 A 40 °C - 1 s for power circuit 84 A 40 °C - 10 min for power circuit 208 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 60947-5-1 100 A gG at <= 690 V coordination type 1 for power circuit 100 A gG at <= 690 V coordination type 2 for power circuit		
Average Impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit		
Power Dissipation Per Pole	3.7 W AC-3 9.6 W AC-1 3.7 W AC-3e		
[Ui] Rated Insulation Voltage	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 Power circuit: 690 V conforming to IEC 60947-4-1		
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	10 Mcycles		
Electrical Durability	1.45 Mcycles 50 A AC-3 at Ue <= 440 V 0.5 Mcycles 80 A AC-1 at Ue <= 440 V 1.45 Mcycles 50 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	0.10.3 Uc (-4070 °C):drop-out DC 0.751.25 Uc (-4060 °C):operational DC 11.25 Uc (6070 °C):operational DC		
Inrush Power In W	19 W (at 20 °C)		
Hold-In Power Consumption In W	7.4 W at 20 °C		
Operating Time	50 ±15 % ms closing 1624 ms opening		
Time Constant	34 ms		
Maximum Operating Rate	3600 cyc/h 60 °C		

Connections - Terminals	Control circuit: screw clamp terminals 2 12.5 mm ² - cable stiffness: flexible with		
	cable end		
	Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: flexible without cable end		
	Control circuit: screw clamp terminals 2 14 mm ² - cable stiffness: flexible without cable end		
	Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: flexible with cable		
	end Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: solid without		
	cable end Control circuit: screw clamp terminals 2 14 mm ² - cable stiffness: solid without		
	cable end		
	Power circuit: screw connection 1 135 mm ² - cable stiffness: flexible without cable end		
	Power circuit: screw connection 2 125 mm ² - cable stiffness: flexible without cable end		
	Power circuit: screw connection 1 135 mm ² - cable stiffness: flexible with cable end Power circuit: screw connection 2 125 mm ² - cable stiffness: flexible with cable end		
	Power circuit: screw connection 1 135 mm ² - cable stiffness: solid without cable		
	end Power circuit: screw connection 2 125 mm ² - cable stiffness: solid without cable		
	end		
Tightening Torque	Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver flat Ø		
	6 mm Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver		
	Philips No 2		
	Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 2535 mm ²		
	hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 125 mm ²		
	hexagonal screw head 4 mm		
	Control circuit: 1.7 N.m - on EverLink BTR screw connectors - with screwdriver		
	pozidriv No 2		
	Power circuit: 2.5 N.m - on EverLink BTR screw connectors - with screwdriver pozidriv No 2		
Auxiliary Contact Composition	1 NO + 1 NC		
Auxiliary Contacts Type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1		
Auxiliary contacts type	type micror contact 1 NC conforming to IEC 60947-5-1		
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	Rail Plate		
Environment			
Environment			
Chandanda			

Environment

Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 IEC 60335-1	
Product Certifications	CCC BV GL DNV UL CSA RINA GOST LROS (Lloyds register of shipping)	
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	-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 closed (15 Gn for 11 ms) Shocks contactor open (10 Gn for 11 ms)			
Height	122 mm			
Width	55 mm			
Depth	120 mm			
Net Weight	0.93 kg			

Packing Units

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	6.2 cm	
Package 1 Width	13.7 cm	6
Package 1 Length	15.3 cm	
Package 1 Weight	995 g	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	10	
Package 2 Height	15 cm	
Package 2 Width	30 cm	
Package 2 Length	40 cm	
Package 2 Weight	10.288 kg	00

Contractual warranty

Warranty

18 months

Sustainability Seren

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

Mercury Free

Rohs Exemption Information

Pvc Free

Certifications & Standards

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Compliant EU RoHS Declaration		
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins		
Circularity Profile	End of Life Information		

كليك كنيدى

بابا ادیسون تامین کننده تجهیزات بـرق صنعتی / ۵۵٬۰۰۰۹۲۲ داخلی ۴۰۰ / ۸ ۲۷ ۵۰ ۹۹۲-۰۰ ۹۹۲ / www.BaBaedison.com