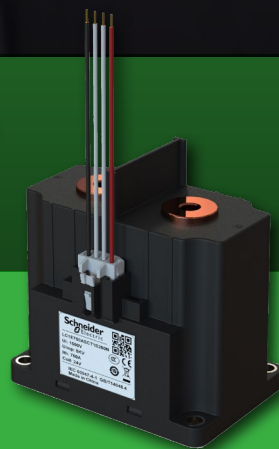




EasyTeSys

Catalog 2025
New Energy DC Connector



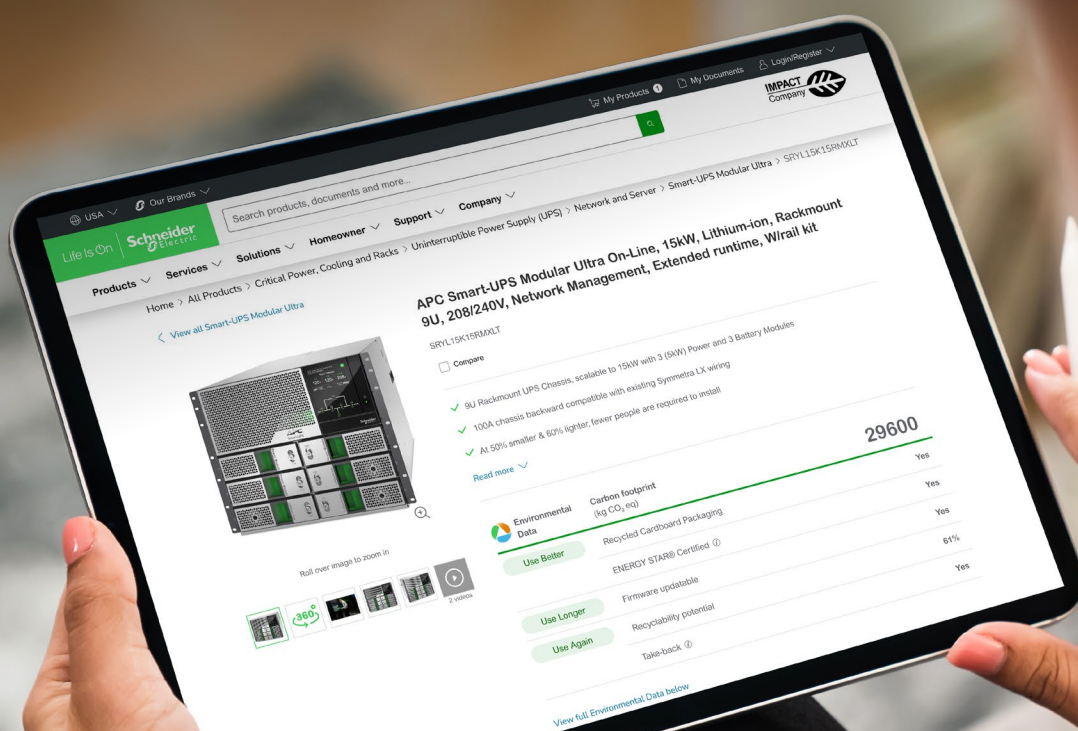
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Life Is On

Schneider
Electric



Environmental Data Program

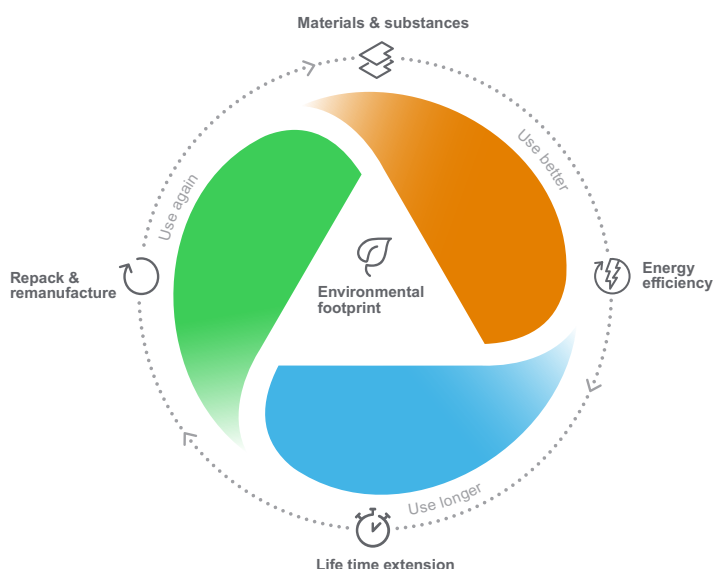


Next-level transparency for better-informed product choices

The Environmental Data Program is a framework for how we measure, categorize, and compare the environmental attributes and footprint of our products.

Using a rigorous, fact-based methodology, the program provides environmental data from across the product lifecycle.

Five data categories across the product lifecycle



Use Better: How sustainable a product is, including environmental footprint, materials and substances, packaging, and energy efficiency.

Use Longer: How a product's life time can be effectively extended in terms of repairability and updatability.

Use Again: How a product can be reused, from dismantling and remanufacturing to recyclability and manufacturer take back.

With this transparent, verified data, customers and partners are empowered to make conscious environmental choices and accurately evaluate and report on sustainability performance.

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Learn more about the
Environmental Data Program

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EasyTeSys DC Contactor Selection Guide

LC1	E	300	A	D	C		H	2	S260	N
Contactor										Coil connection N: Without connector
Easy TeSys										
Rating										Segments Offer S260: New Energy
Epoxy: 50 A~300 A										
Ceramic: 20 A~800 A										
Coil Voltage										Terminal screw 1:Internal Thread 2:External Thread
A: 12 Vdc										
B: 24 Vdc										
C: 48 Vdc										
Blank: 12~32 Vdc										Sealing H: Epoxy T: Ceramic
Coil type										
D: Standard coil										
S: Low consumption coil										
P: Wide-band coil										
Auxiliary										
A: No Auxiliary										
B: 1 NC										
C: 1 NO										

Example: LC1E300ADCH2S260N Rep

Easy Tesys series 300 A, 12 Vdc control single coil, 1 NO auxiliary contact, main circuit terminal screw:external thread connection, epoxy package DC contactor

Note: For some non-standard models, contact your local office or your local business unit for assistance.

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EasyTeSys Epoxy Packaged Single Coil

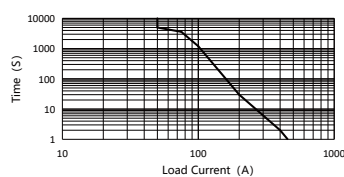
Circuits Characteristics

Contactor type		LC1E 50*D*H	LC1E 100*D*H	LC1E 150*D*H	LC1E 200*D*H	LC1E 250*D*H	LC1E 300*D*H
Main Circuits Characteristics							
Contact Resistance		≤2 mΩ (@50 A)	≤2 mΩ (@100 A)	≤0.5 mΩ (@150 A)	≤0.5 mΩ (@200 A)	≤0.5 mΩ (@250 A)	≤0.5 mΩ (@300 A)
Conventional Thermal Current Ith		50 A	100 A	150 A	200 A	250 A	300 A
Maximum Breaking Current		1000 A/320 V 1 cycle	1000 A/320 V 1 cycle	2000 A/320 V 1 cycle	2000 A/320 V 1 cycle	2000 A/320 V 1 cycle	2000 A/320 V 1 cycle
Maximum load voltage		1000 Vdc					
Mechanical Durability		300 k cycles					
Electrical Durability (resistive loads, 0.6s on 5.4s off, breaking only)		750 V/50 A	750 V 100 A	750 V/150 A	750 V/200 A	750 V/250 A	750 V/300 A
		1000 cycles	1000 cycles	1500 cycles	1500 cycles	1500 cycles	500 cycles
		1000 V/50 A	1000 V/100 A	1000 V/150 A	1000 V/200 A	1000 V/250 A	1000 V/300 A
		1000 cycles	1000 cycles	1000 cycles	1000 cycles	1000 cycles	500 cycles
Rated Insulation Voltage (Ui)		1000 Vdc		1500 Vdc			
Rated Impulse Withstand Voltage (Uimp)		6 kV		8 kV			
Main Circuit Tightening Torque	Internal Thread	50-100 A, internal thread, M5: 3.5-4.5 NM					
	External Thread	150-300 A, external thread, M8: 8-10 NM					
Control Circuits Characteristics							
Coil Polarity		Non-polarized					
Coil Voltage		Optional: 12 Vdc, 24 Vdc, 48Vdc					
Coil Type		Single Coil					
Pickup Range		85%-110%					
Drop-out Voltage Range		75%-10%					
Pick-up Time		≤ 50 ms					
Release Time		≤ 30 ms					
Coil Consumption		≤ 5.5 W	≤ 5.5 W	≤ 7.2 W	≤ 7.2 W	≤ 7.2 W	≤ 7.2 W
Auxiliary Circuits Characteristics							
Contacts Type		Optional: 1NO, 1NC, Without Auxiliary Contact					
Contact Resistance		≤ 500 mΩ					
Minimum Load on		8 Vdc 100 mA					

EasyTeSys Epoxy Packaged Single Coil

short-time withstand

LC1E50*D*H



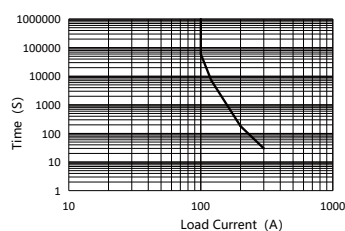
Current (A)

50
75
100
200
400
500

Time (s)

Continuous
3600
1200
30
2
0.6

LC1E100*D*H



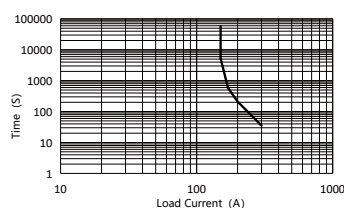
Current (A)

100
120
200
300

Time (s)

Continuous
7200
180
30

LC1E150*D*H



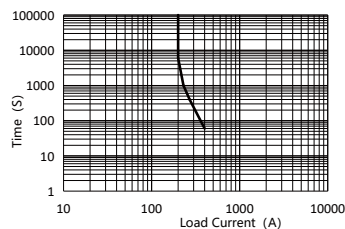
Current (A)

150
170
200
300

Time (s)

Continuous
1000
360
60

LC1E200*D*H



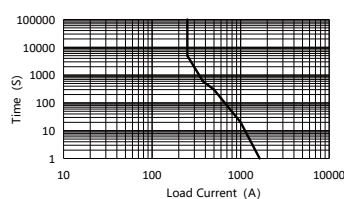
Current (A)

200
230
270
400

Time (s)

Continuous
1000
400
60

LC1E250*D*H



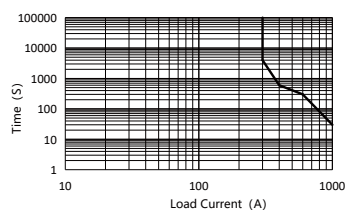
Current (A)

250
375
500
1000
2000

Time (s)

Continuous
600
300
20
0.3

LC1E300*D*H



Current (A)

300
400
600
1000

Time (s)

Continuous
600
300
30

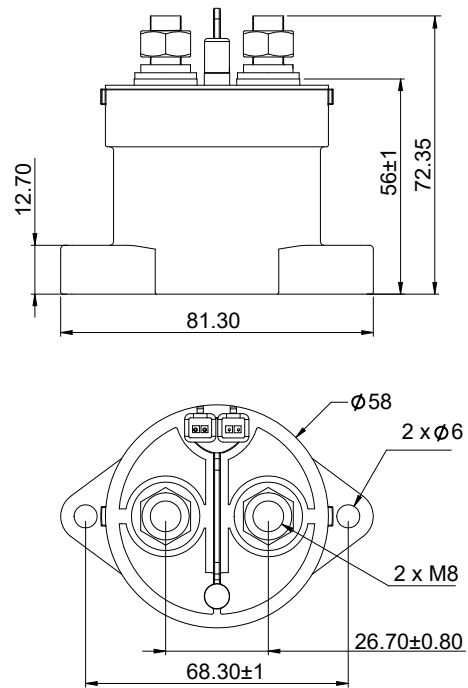
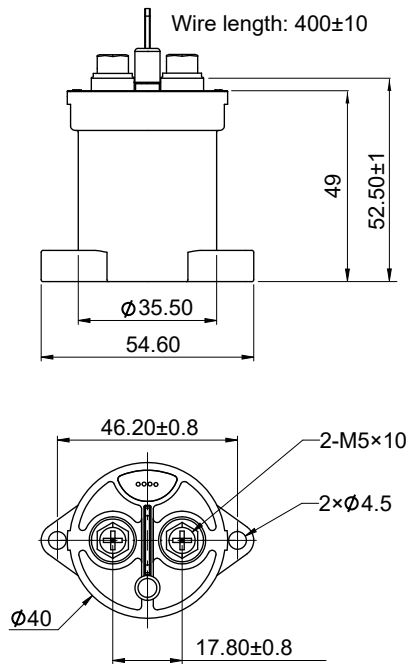
EasyTeSys Epoxy Packaged Single Coil

Dimensions and Wiring Diagram

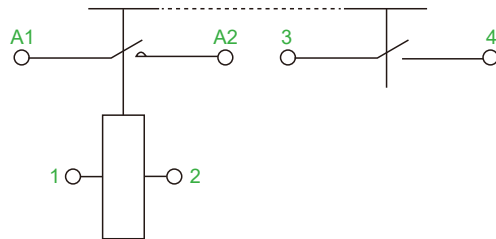
Dimensions

LC1E50*D*H to LC1E100*D*H

LC1E150*D*H to LC1E300*D*H



Wiring Diagram

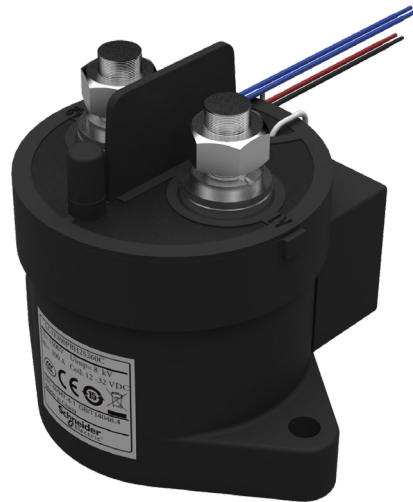


1, 2	Coil terminals: With PCBA (Polarized), Red +, Black -
	Coil terminals: Without PCBA (Non-polarized)
A1, A2	Main contactor (NoN-polarized)
3, 4	Auxiliary contactor terminals 1 x NO

EasyTeSys Epoxy Packaged Double Coil and Wide Voltage DC Contactor

Environmental Characteristics

EasyTeSys Epoxy Packaged Double Coil and Wide Voltage DC Contactor



Environmental Characteristics

Contactor Type		LC1E 150*S*H	LC1E 150*P*H	LC1E 200*S*H	LC1E 200*P*H	LC1E 250*S*H	LC1E 250*P*H	LC1E 300*S*H	LC1E 300*P*H
Compliance With Standards		GB/T 14048.4, IEC 60947-4-1, UL 60947-4-1							
Product Certifications		CCC/CE/CB/UL/RoHs & Reach							
Connections	Coil	Pin-out							
	Load	External Thread							
Coil, Auxiliary Wire Length		40 cm							
Shock Resistance (11 ms)		20 g							
Vibrations Resistance (10...500Hz)		5 g							
Operating Altitude		Up to 4000 m							
Overvoltage Category		III							
Pollution Degree (IEC 60664-1)		3							
Mounting		Vertical/Horizontal							
									
Screws		Installed on Product							
Operation and Storage Conditions	Humidity	5%~95% RH							
	Temperature	-40°C~85°C							

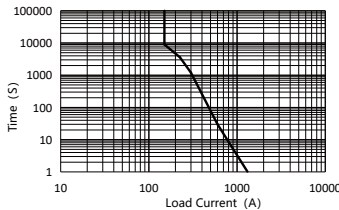
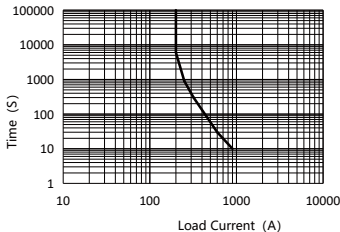
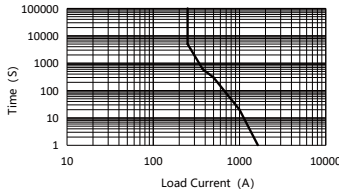
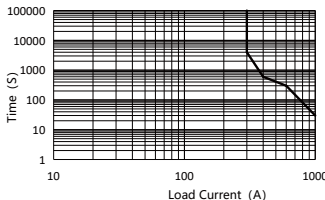
EasyTeSys Epoxy Packaged Double Coil and Wide Voltage DC Contactor

Circuits Characteristics

Contactor type		LC1E 150*S*H	LC1E 150*P*H	LC1E 200*S*H	LC1E 200*P*H	LC1E 250*S*H	LC1E 250*P*H	LC1E 300*S*H	LC1E 300*P*H
Main Circuits Characteristics									
Contact Polarity		non-polarized							
Contact Resistance		≤0.5mΩ (@150A)		≤0.5mΩ (@200A)		≤0.5mΩ (@250A)		≤0.5mΩ (@300A)	
Conventional Thermal Current (Ith)		150 A		200 A		250 A		300 A	
Maximum Breaking Current		2000A/320 V 1 cycle							
Maximum Load Voltage		1000 Vdc							
Mechanical Durability		300 k cycles							
Electrical Durability (resistive loads, 0.6s on 5.4s off, break only)		750 V /150 A 1500 cycles		750 V /200 A 1500 cycles		750 V /250 A 1500 cycles		750 V /300 A 1500 cycles	
		1000 V /150 A 1000 cycles		1000 V /200 A 1000 cycles		1000 V /250 A 1000 cycles		1000 V /300 A 1000 cycles	
Rated Insulation Voltage (Ui)		1500 Vdc							
Rated Impulse Withstand Voltage (Uimp)		8 kV							
Main Circuit Tightening Torque	External Thread	M8: 8-10 NM							
Control Circuits Characteristics									
Coil Polarity		Polarized							
Coil Voltage		Optional: 12 Vdc /24 Vdc /48 Vdc	12~32 Vdc	Optional: 12 Vdc /24 Vdc /48 Vdc	12~32 Vdc	Optional: 12 Vdc /24 Vdc /48 Vdc	12~32 Vdc	Optional: 12 Vdc /24 Vdc /48 Vdc	12~32 Vdc
Coil Type		Dual Coil	Wide-band	Dual Coil	Wide-band	Dual Coil	Wide-band	Dual Coil	Wide-band
Pick-up Voltage Range		85%-110%							
Drop-out Voltage Range		75%-10%							
Pick-up Cycle		30 ms							
Release Cycle		15 ms							
Coil Consumption		Start-up: ≤ 55 W Holding: ≤ 3.5W	Start-up: ≤ 28 W Holding: ≤ 2.4 W	Start-up: ≤ 55 W Holding: ≤ 3.5 W	Start-up: ≤ 28 W Holding: ≤ 2.4 W	Start-up: ≤ 55 W Holding: ≤ 3.5 W	Start-up: ≤ 28 W Holding: ≤ 2.4 W	Start-up: ≤ 55 W Holding: ≤ 3.5 W	Start-up: ≤ 28 W Holding: ≤ 2.4 W
Auxiliary Circuits Characteristics									
Contacts Method		Optional: 1 NO, 1 NC, without auxiliary contact							
Contact Resistance		≤ 500 mΩ							
Minimum Load on		8 Vdc 100 mA							

EasyTeSys Epoxy Packaged Double Coil and Wide Voltage DC Contactor

short-time withstand

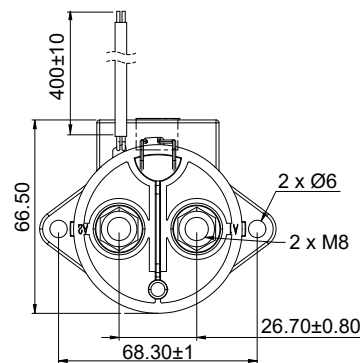
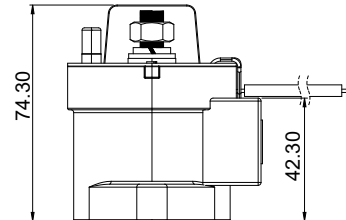
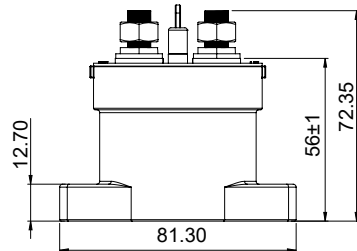
LC1E150*S*H and LC1E150*P*H		LC1E200*S*H and LC1E200*P*H																									
	<table><tr><th>Current (A)</th><th>Time (s)</th></tr><tr><td>150</td><td>Continuous</td></tr><tr><td>225</td><td>3600</td></tr><tr><td>300</td><td>1200</td></tr><tr><td>600</td><td>30</td></tr><tr><td>1500</td><td>0.6</td></tr></table>	Current (A)	Time (s)	150	Continuous	225	3600	300	1200	600	30	1500	0.6		<table><tr><th>Current (A)</th><th>Time (s)</th></tr><tr><td>200</td><td>Continuous</td></tr><tr><td>250</td><td>900</td></tr><tr><td>320</td><td>300</td></tr><tr><td>600</td><td>30</td></tr><tr><td>900</td><td>10</td></tr></table>	Current (A)	Time (s)	200	Continuous	250	900	320	300	600	30	900	10
Current (A)	Time (s)																										
150	Continuous																										
225	3600																										
300	1200																										
600	30																										
1500	0.6																										
Current (A)	Time (s)																										
200	Continuous																										
250	900																										
320	300																										
600	30																										
900	10																										
LC1E250*S*H and LC1E250*P*H		LC1E300*S*H and LC1E300*P*H																									
	<table><tr><th>Current (A)</th><th>Time (s)</th></tr><tr><td>250</td><td>Continuous</td></tr><tr><td>375</td><td>600</td></tr><tr><td>500</td><td>300</td></tr><tr><td>1000</td><td>20</td></tr><tr><td>2000</td><td>0.3</td></tr></table>	Current (A)	Time (s)	250	Continuous	375	600	500	300	1000	20	2000	0.3		<table><tr><th>Current (A)</th><th>Time (s)</th></tr><tr><td>300</td><td>Continuous</td></tr><tr><td>400</td><td>600</td></tr><tr><td>600</td><td>300</td></tr><tr><td>1000</td><td>30</td></tr></table>	Current (A)	Time (s)	300	Continuous	400	600	600	300	1000	30		
Current (A)	Time (s)																										
250	Continuous																										
375	600																										
500	300																										
1000	20																										
2000	0.3																										
Current (A)	Time (s)																										
300	Continuous																										
400	600																										
600	300																										
1000	30																										

EasyTeSys Epoxy Packaged Double Coil and Wide Voltage DC Contactor

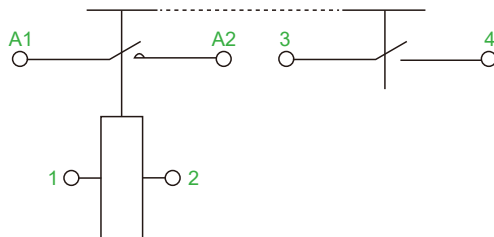
Dimensions and Wiring Diagram

Dimensions

LC1E150*S*H and LC1E150*P*H to LC1E300*S*H and LC1E300*P*H



Wiring Diagram



1, 2 Coil terminals: With PCBA (Polarized), Red +, Black -

Coil terminals: Without PCBA (Non-polarized)

A1, A2 Main contactor (NoN-polarized)

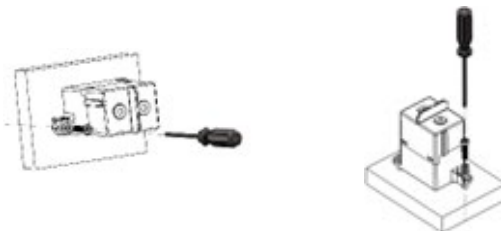
3, 4 Auxiliary contactor terminals 1 x NO

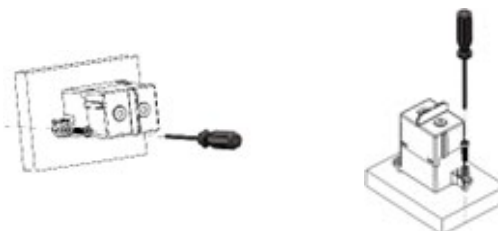
EasyTeSys Ceramic Packaged

Environmental Characteristics

EasyTeSys Ceramic Packaged



Environmental Characteristics										
Contactor type		LC1E 20*D*T	LC1E 50*D*T	LC1E 250*S*T	LC1E 350*S*T	LC1E 400*S*T	LC1E 500*S*T	LC1E 600*S*T	LC1E 750*S*T	LC1E 800*S*T
Compliance With Standards		GB/T 14048.4 IEC 60947-4-1 UL 60947-4-1								
Product Certifications		CCC/CE/CB/UL/RoHs & Reach								
Connections	Coil	Pin-out								
	Load	Internal Thread								
Coil, Auxiliary Circuit Wire Length		30 cm								
Shock Resistance (11 ms)		20 g								
Vibrations Resistance (10...500Hz)		5 g								
Operating Altitude		Up to 4000 m								
Overvoltage Category		II		III						
Pollution Degree (IEC 60664-1)		3								
Mounting		Vertical/Horizontal								
										
Screws Package		None								
Operation and Storage Conditions	Humidity	5%~95% RH								
	Temperature	-40°C~85°C								



EasyTeSys Ceramic Packaged

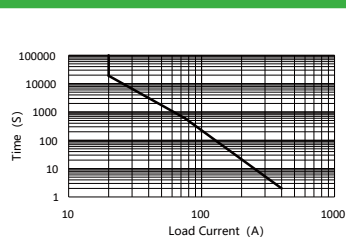
Circuits Characteristics

Contactor Type		LC1E 20*D*T	LC1E 50*D*T	LC1E 250*S*T	LC1E 350*S*T	LC1E 400*S*T	LC1E 500*S*T	LC1E 600*S*T	LC1E 750*S*T	LC1E 800*S*T
Main Circuits Characteristics										
Contact Polarity		non-polarized								
Contact Resistance		≤5 mΩ (@20 A)	≤5 mΩ (@20 A)	≤0.5mΩ (@200 A)	≤5 mΩ (@350 A)	≤0.5 mΩ (@400 A)	≤0.5 mΩ (@500 A)	≤0.5 mΩ (@600 A)	≤0.5 mΩ (@750 A)	≤0.5 mΩ (@800 A)
Conventional Thermal Current Ith		20 A	50 A	250 A	350 A	400 A	500 A	600 A	750 A	800 A
Maximum Breaking Current		200 A 750 Vdc / cycle			2000 A 1000 Vdc / cycle					
Maximum Load Voltage		1500 Vdc								
Mechanical Durability		300 k cycles								
Electrical Durability (resistive loads, 0.6 s on 5.4 s off, break only)		1500 V /20 A 1000 Cycles	1500 V /30 A 1000 Cycles	1500 V /250 A 500 Cycles	1500 V /350 A 1000 Cycles	1500 V /400 A 1000 Cycles	1500 V /500 A 500 Cycles	1500 V /600 A 500 Cycles	1500 V /600 A 500 Cycles	1500 V /600 A 500 Cycles
		1000 V /20 A 1500 Cycles	1000 V /50 A 1500 Cycles	1000 V /250 A 1000 Cycles	1000 V /350 A 1500 Cycles	1000 V /400 A 1500 Cycles	1000 V /500 A 800 Cycles	1000 V /600 A 800 Cycles	1000 V /750 A 800 Cycles	1000 V /800 A 800 Cycles
		750 V /20 A 2000 Cycles	750 V /50 A 1500 Cycles	750 V /250 A 1500 Cycles	750 V /350 A 2000 Cycles	750 V /400 A 2000 Cycles	750V /500 A 1000 Cycles	750V /600 A 1000 Cycles	750 V /750 A 1000 Cycles	750 V /800 A 1000 Cycles
Rated Insulation Voltage (Ui)		1500 Vdc								
Rated Impulse Withstand Voltage (Uimp)		6 kV			8 kV					
Main Circuit Tightening Torque	Internal Thread	M4: 2.5-3.5 NM		M6: 8-10 NM	M8: 8-10 NM					
Control Circuits Characteristics										
Coil Polarity		Polarized								
Coil Voltage		Optional: DC 12/24								
Coil Type		Singal coil			Dual coil					
Pull-in Voltage Scope		85%-110%								
Release Voltage Scope		75%-10%								
Pull-in Cycle		30 ms			50 ms					
Release Cycle		15 ms			30 ms					
Coil Consumption		≤ 2.6 W		Start-up: ≤ 55 W Holding: ≤ 3.5 W	Start-up: ≤ 55 W Holding: ≤ 6 W		Start-up: ≤ 55 W Holding: ≤ 5 W			
Auxiliary Circuits Characteristics										
Contacts Type		None			1 NO or no auxiliary contact					
Contact Resistance		≤ 500 mΩ								
Minimum Load on		N/A			8 Vdc 100 mA					

EasyTeSys Ceramic Packaged

short-time withstand

LC1E20*D*T and LC1E50*D*T



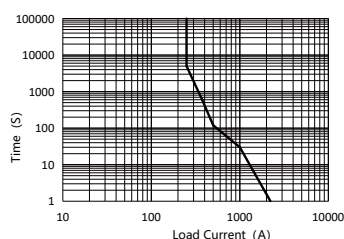
Current (A)

20
75
400

Time (s)

Continuous
600
2

LC1E250*S*T



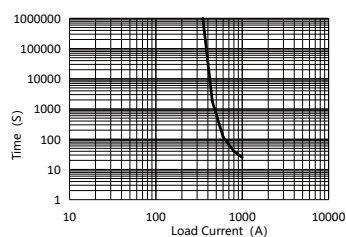
Current (A)

250
375
500
1000
2500

Time (s)

Continuous
600
120
25
0.6

LC1E350*S*T



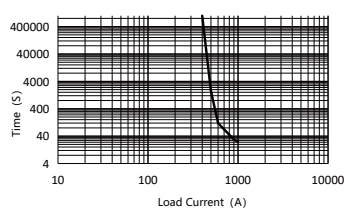
Current (A)

350
450
600
800
1000

Time (s)

Continuous
1800
120
40
25

LC1E400*S*T



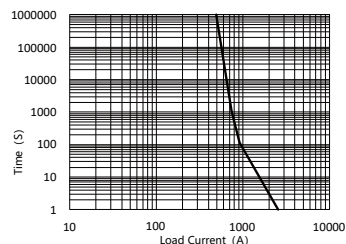
Current (A)

400
500
600
900
1000

Time (s)

Continuous
1800
120
30
25

LC1E500*S*T



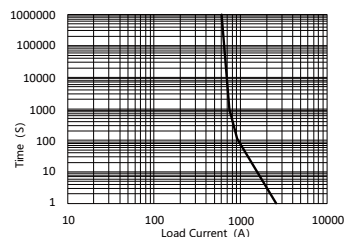
Current (A)

500
750
900
8000*

Time (s)

Continuous
900
120
0.005

LC1E600*S*T



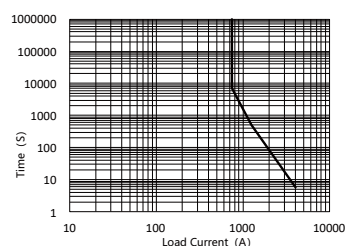
Current (A)

600
750
900
8000*

Time (s)

Continuous
900
120
0.005

LC1E750*S*T



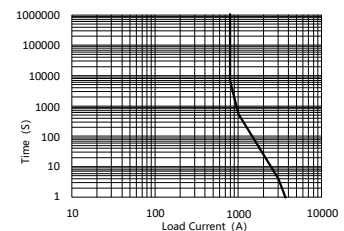
Current (A)

750
1200
4000*

Time (s)

Continuous
600
6

LC1E800*S*T



Current (A)

800
1000
3000
8000*

Time (s)

Continuous
600
4
0.005

* After testing, no firing and no exploding

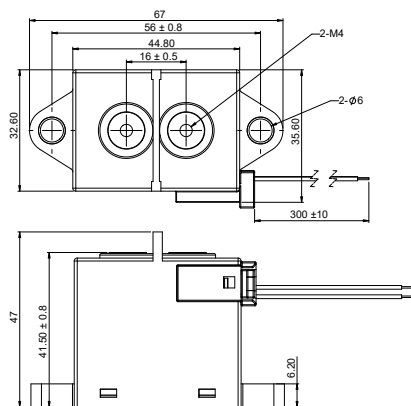
EasyTeSys DC contactor

EasyTeSys Ceramic Packaged

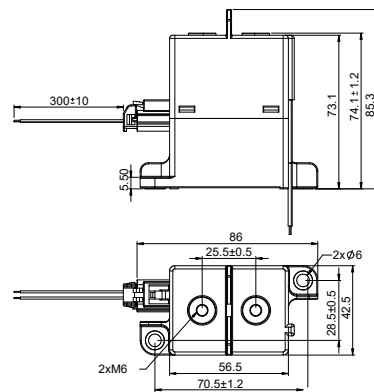
Dimensions and Wiring Diagram

Dimensions

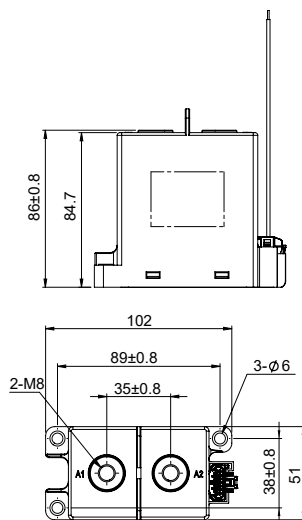
LC1E20*D*T and LC1E50*D*T



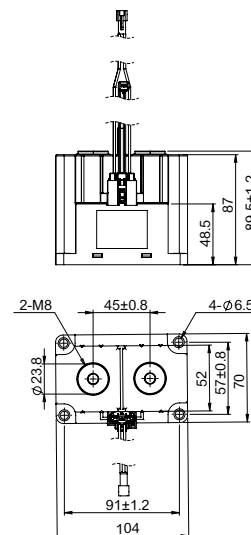
LC1E250*S*T



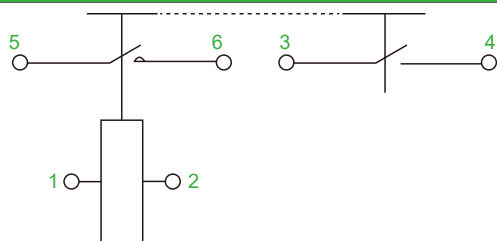
LC1E350*S*T and LC1E400*S*T



LC1E500*S*T and LC1E800*S*T



Wiring Diagram



1, 2 Coil terminals : With PCBA (Polarized) Red +, Black -

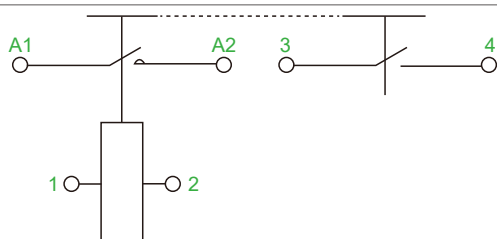
Coil terminals : Without PCBA (Non-polarized)

5, 6 Main Contactor (Non-polarized)

3, 4 Auxlairy Contactor terminals (LC1E20 None)

Auxlairy Contactor terminals (LC1E250 1 x NO)

LC1E20-250***S260*



1, 2 Coil terminals: LC1E350-800 (Polarized) Red +, Black -

A1, A2 Main Contactor (Non-polarized)

3, 4 Auxlairy Contactor terminals 1 x NO

LC1E350-800***S260*



Schneider Electric Industries SAS

35 rue Joseph Monier
92500 Rueil-Malmaison
France

RCS Nanterre 954 503 439
Capital social 928 298 512 €
www.se.com

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