中国区技术支持:18017949796 evchina@189.cn

Product Facts

- Designed to be the lowest cost sealed contactor in the industry with its current rating (500+A carry, 2000A interrupt at 320Vdc).
- Available with bottom or side mounting -- not position senstive.
- Optional auxiliary contact for easy monitoring of power contact position.
- Hermetically sealed intrinsically safe, operates in explosive/harsh environments with no oxidation or contamination of coils or contacts, including long periods of non-operation.
- Typical applications include battery switching and backup, DC voltage power control, circuit protection and safety.
- Versatile coil/power connections.
- Designed and built in accordance to AIAG QS9000.

Performance Data

Units	Value for LEV200 Series			
	1 Form X (SPST-NO-DM)			
Vdc	12 - 900			
Continuous (Carry) Current, Typical A 500 @ 65°C, 400 mcm Consult Factory for required conductors for higher (500+ A) currents				
ake/Break Current at Various Voltages ¹ A See next page				
А	2,000, 1 cycle ^{3/}			
mohms	0.2			
Cycles	See next page			
Cycles	100,000			
8	1 Form A (SPST-NO)			
A mA	2A @ 30Vdc / 3A @ 125Vac 100mA @ 8V			
ohms	0.417@ 30Vdc / .150 @ 125Vaac			
ms ms 0A ms	25 7 12			
Vrms	2,200 @ sea level (leakage <1mA)			
megohms	100 2/			
G	20			
G	20			
°C	-40 to +85			
lb.(kg)	1.3 (.60)			
	A prs for high s ^{-1/} A Mohms Cycles Cycles Cycles S A mA ohms ms ms ms Ms ms Ms Ms Ms Ms Cycles			

 $^{\ensuremath{\mathbb{I}}}$ Main power contacts

^{2/} 50 at end of life

- ^{3/} Does not meet dielectric & IR after test, 1700 amp for unit with Aux. Contacts
- $\frac{4}{2}$ Contacts will operate with 0.8V_{nom} < V_{coil} < 1.1V_{nom} over temperture range.

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Catalog	9-1773439-1
Revised	6-08

www.jielingchina.com

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change. USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-5-729-0425

NOTE: All part numbers are RoHS compliant (and always have been).

South America: 55-11-3611-1514 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-141-810-8967



For factory-direct application assistance, contact Earle Alldredge, product manager. Dial 800-253-4560, ext. 2055, or 805-220-2055. Email earle.alldredge@tycoelectronics.com

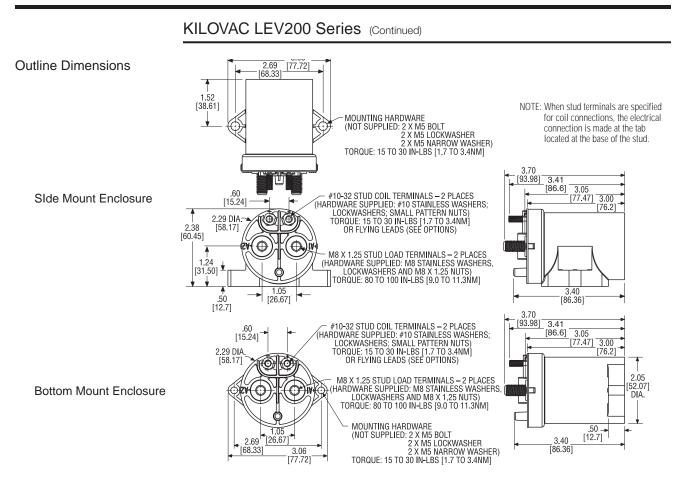


Coil Data (valid over temperature range) 4/						
Nominal Voltage	12Vdc	24Vdc	48Vdc			
Pickup Voltage (will operate)	9.0Vdc	19.0Vdc	38.0Vdc			
Voltage (Max.)	15Vdc	30Vdc	60Vdc			
Dropout Voltage	0.75 - 2.0Vdc	1.0 - 5.0Vdc	2.0 - 7.0Vdc			
Coil Resistance @ 25° (Typ.)	11 ohms	40 ohms	145 ohms			

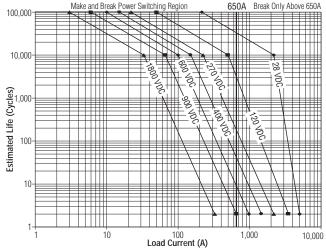
Part Numbering System

	1					L 1
Typical Part Number	LEV200	А	4	Ν	А	А
Series:						
LEV200 = 500+ Amp, 12-900Vdc Contactor						
Contact Form:						
A = Normally Open						
H = Normally Open with Aux. Contacts. (Opti		S				
option "A" in Coil Wire Length and option	n "N" in Coil					
Terminal Connector.) Note: Other auxiliary contact forms available.	Concult factor	,				
	CONSULTACION					
Coil Voltage:	/da K	7014	~			
4 = 12Vdc $5 = 24Vdc$ $6 = 48Vdc8 = 96Vdc$ $L = 110Vdc$ $0 = 115$		72V0 240Va				
Notes: Consult factory for detailed specification						
coils not listed in "Coil Data" table abo		inty o				
In coil voltage codes, 115Vac is design	nated by the let	ter "O	11			
rather than the numeral "0."	2					
Coil Wire Length:						
A = 15.3 in (390 mm) N = None (Requ	ires option "A"	in ne>	kt stej	o.)		
Coil Terminal Connector:						
N = None, stripped wires (Requires option "A	" in previous st	ep.)				
A = Studs, #10-32 Threaded (Electrical conne	ection is made t	o the	tab			
at the base of the stud.)						
Note: Specify option A, stripped wires, for coi	il voltages > 96	Vdc				
Mounting & Power Terminals:						
A = Bottom Mount & Male 10mm x M8 Threa						
F = Side Mount & Male 10mm x M8 Threader						
Consult factory regarding other available mou	untings and pov	ver ter	mina	ls.		

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Estimated Make & Break Power Switching Ratings



NOTES:

For resistive loads with 300µH maximum inductance. Consult factory for inductive loads.
Estimates based on extrapolated data. User is encouraged to confirm performance in application.
End of life when dielectric strength between terminals falls below 50 megohms @ 500VDC.
The maximum make current is 650A to avoid contact welding.

Electrical Load Life Ratings for Typical LEV Applications

Make/Break Life Capacitive & Resistive Loads at 320VDC (1) (2)			
@90% capacitive pre-charge (make only) see chart below	Cycles	50,000	
@80% capacitive pre-charge (make only) see chart below	Cycles	50	
2,000A (break only) (1)	Cycles	1*	
Mechanical Life	Cycles	100,000	

Resistive load includes inductance L = 25µH. Load @ 2500A tested @ 200µH.
Life based on projected Weibull Life with 95% teliability.
* Does not meet dielectric and IR after test.

LEV200 Capacitive Make Test Curves for Pre-Charged Motor Controller 700 650 600 550 80% Minimum Pre Charge 500 450 €⁴⁰⁰ 90% Nominal **u** 350 Pre Charge 500 gri 250 200 150 100. 50 04 1.0 Time (ms) 0.5 1.5 2.0

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