

# HIGH VOLTAGE DC CONTACTOR SERIES OVERVIEW

A quick reference guide of our product offering

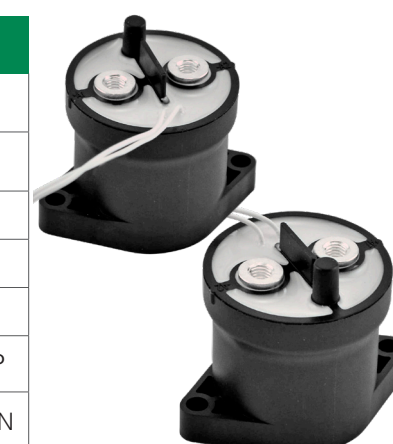
## Resin Design Relays

Littelfuse Resin Design High Voltage DC Contactor Relays have an epoxy resin at the stud end of the assembly for a true, hermetic sealing of the entire relay. These relays are IP67 sealed to keep moisture out of the assembly. Resin Design Relays also have a remarkably simple manufacturing process which results in a relatively low overall cost.

### PART NUMBER SYSTEM

**DCNLEV50** + **-CS** = **DCNLEV50-CS**  
 Series Name      PN Suffix      Part Number

30A-50A	Series Name		DCNSEV30		DCNLEV50																							
	Amperage		30A Continuous Carry		50A Continuous Carry																							
	Nom. Coil Voltage		12V DC	24V DC	12V DC						24V DC						48V DC											
	Voltage Rating		900V DC	900V DC	900V DC						900V DC						900V DC											
	Mounting Type		Bottom	Bottom	Bottom				Side				Bottom				Side				Bottom				Side			
	Auxiliary Circuit		N	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N				
	Terminals		P	P	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP				
	Part Number Suffix		-B	-C	-BA	-BAN	-B	-BN	-BAS	-BASN	-BS	-BSN	-CA	-CAN	-C	-CN	-CAS	-CASN	-CS	-CSN	-EA	-EAN	-E	-EN	-EAS	-EASN	-ES	-ESN



100A	Series Name		DCNLEV100																							
	Amperage		100A Continuous Carry								100A Continuous Carry								100A Continuous Carry							
	Nom. Coil Voltage		12V DC								24V DC								48V DC							
	Voltage Rating		750V DC								750V DC								750V DC							
	Mounting Type		Bottom				Side				Bottom				Side				Bottom				Side			
	Auxiliary Circuit		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		
	Terminals		P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP		
	Part Number Suffix		-BA	-BAN	-B	-BN	-BAS	-BASN	-BS	-BSN	-CA	-CAN	-C	-CN	-CAS	-CASN	-CS	-CSN	-EA	-EAN	-E	-EN	-EAS	-EASN	-ES	-ESN



150A-250A	Series Name		DCNEV150				DCNEV250											
	Amperage		150A Continuous Carry				250A Continuous Carry											
	Nom. Coil Voltage		12V DC				12-24V DC				48-72V DC				72V DC			
	Voltage Rating		900V DC				900V DC				900V DC				900V DC			
	Mounting Type		Bottom				Bottom				Bottom				Bottom			
	Auxiliary Circuit		Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N		
	Terminals		P	NP	P	NP	P	NP	P	NP	P	NP	P	NP	P	NP		
	Part Number Suffix		-MA	-MAN	-M	-MN	-MA	-MAN	-M	-MN	-GA	-GAN	-G	-GN	-FA	-FAN	-F	-FN



P = Polarized NP = Non-Polarized

## Ceramic Design Relays

Littelfuse Ceramic Design High Voltage DC Contactor Relays have a more sophisticated, ceramic arc chamber. The ceramic arc chamber is soldered, hermetically sealing the chamber in a superior manner to the Resin Design Relays.

- These relays are IP54 dust and water splash protected to greatly reduce foreign contaminants and moisture in the contactor.
- Ceramic Design Relays have higher contact voltage capacity and can withstand higher pressures and temperatures longer.

### PART NUMBER SYSTEM

**DCNEVT150** + **-CS** = **DCNEVT150-CS**

Series Name

PN Suffix

Part Number



150A-500A	<b>Series Name</b>	<b>DCNEVT150</b>			
	<b>Amperage</b>	150A Continuous Carry			
	<b>Nom. Coil Voltage</b>	12V DC		24V DC	
	<b>Voltage Rating</b>	450V DC		450V DC	
	<b>Mounting Type</b>	Bottom	Side	Bottom	Side
	<b>Auxiliary Circuit</b>	N	N	N	N
	<b>Terminals</b>	P	P	P	P
	<b>Part Number Suffix</b>	-B	-BS	-C	-CS

<b>DCNEVT150</b>			
150A Continuous Carry			
12V DC		24V DC	
450V DC		450V DC	
Bottom	Side	Bottom	Side
N	N	N	N
P	P	P	P
-B	-BS	-C	-CS

<b>DCNEVT350</b>			
350A Continuous Carry			
12V DC		24V DC	
1800V DC		1800V DC	
Bottom		Bottom	
Y	N	Y	N
P	P	P	P
-BA	-B	-CA	-C

<b>DCNEVT400</b>			
400A Continuous Carry			
12V DC		24V DC	
1800V DC		1800V DC	
Bottom		Bottom	
Y	N	Y	N
P	P	P	P
-BA	-B	-CA	-C

<b>DCNEVT500</b>			
500A Continuous Carry			
12V DC		24V DC	
1800V DC		1800V DC	
Bottom		Bottom	
Y	N	Y	N
P	P	P	P
-BA	-B	-CA	-C

P = Polarized NP = Non-Polarized



### Web Resources

Download Datsheets, 2D prints and 3D Models at:

[Littelfuse.com/DCN](http://Littelfuse.com/DCN)