# DC Contactors for eMobility & Industrial Applications

Today's demanding commercial electric vehicles need robust power control and management.

Developed specifically for eMobility and industrial applications, our DC contactor relays are available with continuous current ratings up to 500A and maximum voltage ratings up to 1800V DC. Browse our expanding line of DC contactors and partner with Littelfuse on your next design.

| **Application Key** | ⊚ Transportation including; truck, bus, material handling, construction and agriculture | ⚡ Stationary including; telecom power supplies, UPS, industrial and alternative energy |
|---|---|---|

| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 20 | 900 | 12 | Bottom | No | Yes | ⊚ ⚡ | DCNHR20PF12 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR20PF12-01 | B |
|  |  | 24 |  |  |  | ⊚ ⚡ | DCNHR20PF24 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR20PF24-01 | B |
|  |  | 48 |  |  |  | ⊚ ⚡ | DCNHR20PF48 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR20PF48-01 | B |
| 30 | 900 | 12 | Bottom | No | Yes | ⊚ ⚡ | DCNHR30PF12 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR30PF12-01 | B |
|  |  |  |  |  |  | ⊚ ⚡ | DCNSEV30-B | C |
|  |  | 24 |  |  |  | ⊚ ⚡ | DCNHR30PF24 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR30PF24-01 | B |
|  |  |  |  |  |  | ⊚ ⚡ | DCNSEV30-C | C |
|  |  | 48 |  |  |  | ⊚ ⚡ | DCNHR30PF48 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR30PF48-01 | B |
| 40 | 900 | 12 | Bottom | No | Yes | ⊚ ⚡ | DCNHR40PF12 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR40PF12-01 | B |
|  |  | 24 |  |  |  | ⊚ ⚡ | DCNHR40PF24 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR40PF24-01 | B |
|  |  | 48 |  |  |  | ⊚ ⚡ | DCNHR40PF48 | A |
|  |  |  |  |  |  | ⊚ ⚡ | DCNHR40PF48-01 | B |

**Product Images**
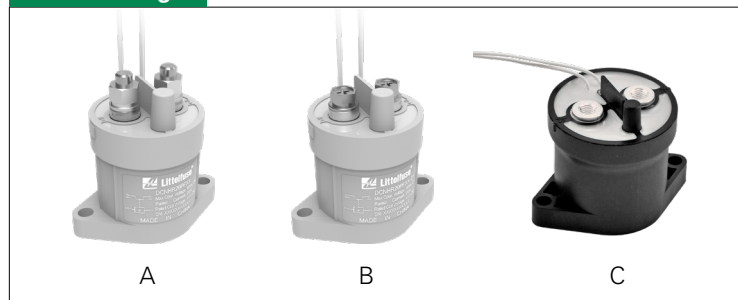


A          B          C

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Expertise Applied | Answers Delivered

| Application Key | ⊕ Transportation including; truck, bus, material handling, construction and agriculture | ⚡ Stationary including; telecom power supplies, UPS, industrial and alternative energy |

| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 50 | 60 | 12 | Side | No | No | ⚡ | DCNLM50NB12 | A |
| | | 24 | | | | ⚡ | DCNLM50NB24 | |
| | | 48 | | | | ⚡ | DCNLM50NB48 | |
| | | 60 | | | | ⚡ | DCNLM50NB60 | |
| | 900 | 12 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR50QF12 | B |
| | | | | Yes | Yes | ⊕ ⚡ | DCNLEV50-BA | D |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-BAN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-B | E |
| | | | | No | Yes | ⊕ ⚡ | DCNHR50PF12 | C |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-BN | E |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV50-BAS | F |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-BASN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-BS | G |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-BSN | |
| | | 24 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR50QF24 | B |
| | | | | Yes | Yes | ⊕ ⚡ | DCNLEV50-CA | D |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-CAN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-C | E |
| | | | | No | Yes | ⊕ ⚡ | DCNHR50PF24 | C |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-CN | E |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV50-CAS | F |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-CASN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-CS | G |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-CSN | |
| | | 48 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR50QF48 | B |
| | | | | Yes | Yes | ⊕ ⚡ | DCNLEV50-EA | D |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-EAN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-E | E |
| | | | | No | Yes | ⊕ ⚡ | DCNHR50PF48 | C |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-EN | E |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV50-EAS | F |
| | | | | Yes | No | ⊕ ⚡ | DCNLEV50-EASN | |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV50-ES | G |
| | | | | No | No | ⊕ ⚡ | DCNLEV50-ESN | |

## Product Images

A   B   C   D   E   F   G

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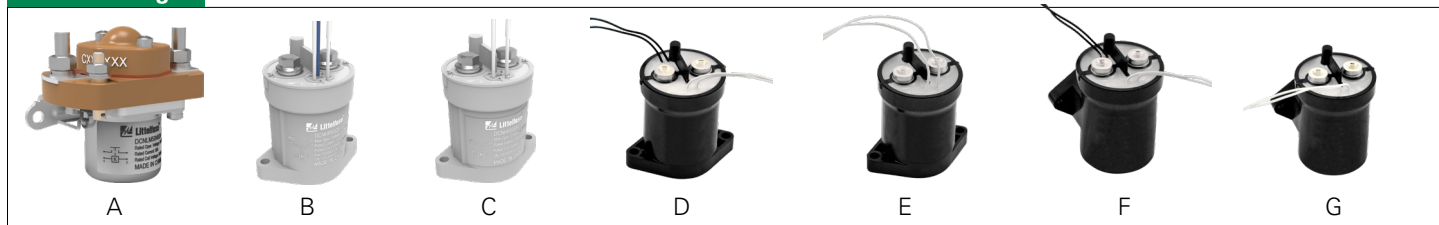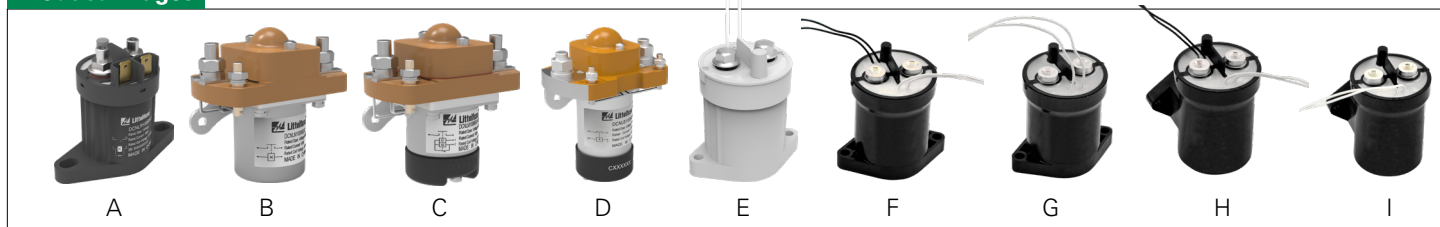
**Application Key** — ⊕ Transportation including; truck, bus, material handling, construction and agriculture ⚡ Stationary including; telecom power supplies, UPS, industrial and alternative energy

| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 100 | 60 | 12 | Bottom | No | No | ⊕ ⚡ | DCNLR100NB12 | A |
| | | | Side | | | ⚡ | DCNLM100NB12 | B |
| | | | Side | | | ⚡ | DCNLM100NB12-01 | C |
| | | 24 | Bottom | | | ⊕ ⚡ | DCNLR100NB24 | A |
| | | | Side | | | ⚡ | DCNLM100NB24 | B |
| | | | Side | | | ⚡ | DCNLM100NB24-01 | C |
| | | 48 | Bottom | | | ⊕ ⚡ | DCNLR100NB48 | A |
| | | | Side | | | ⚡ | DCNLM100NB48 | B |
| | | | Side | | | ⚡ | DCNLM100NB48-01 | C |
| | | | | | | ⚡ | DCNLB100NB48 | D |
| | 900 | 12 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR100QF12 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-BA | F |
| | | | | | No | ⊕ ⚡ | DCNLEV100-BAN | F |
| | | | | No | Yes | ⊕ ⚡ | DCNHR100PF12 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-B | G |
| | | | | | No | ⊕ ⚡ | DCNLEV100-BN | G |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV100-BAS | H |
| | | | | | No | ⊕ ⚡ | DCNLEV100-BASN | H |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV100-BS | I |
| | | | | | No | ⊕ ⚡ | DCNLEV100-BSN | I |
| | | 24 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR100QF24 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-CA | F |
| | | | | | No | ⊕ ⚡ | DCNLEV100-CAN | F |
| | | | | No | Yes | ⊕ ⚡ | DCNHR100PF24 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-C | G |
| | | | | | No | ⊕ ⚡ | DCNLEV100-CN | G |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV100-CAS | H |
| | | | | | No | ⊕ ⚡ | DCNLEV100-CASN | H |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV100-CS | I |
| | | | | | No | ⊕ ⚡ | DCNLEV100-CSN | I |
| | | 48 | Bottom | Yes | Yes | ⊕ ⚡ | DCNHR100QF48 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-EA | F |
| | | | | | No | ⊕ ⚡ | DCNLEV100-EAN | F |
| | | | | No | Yes | ⊕ ⚡ | DCNHR100PF48 | E |
| | | | | | Yes | ⊕ ⚡ | DCNLEV100-E | G |
| | | | | | No | ⊕ ⚡ | DCNLEV100-EN | G |
| | | | Side | Yes | Yes | ⊕ ⚡ | DCNLEV100-EAS | H |
| | | | | | No | ⊕ ⚡ | DCNLEV100-EASN | H |
| | | | | No | Yes | ⊕ ⚡ | DCNLEV100-ES | I |
| | | | | | No | ⊕ ⚡ | DCNLEV100-ESN | I |

**Product Images**

A
B
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I

**Application Key** — ◉ Transportation including; truck, bus, material handling, construction and agriculture　⚡ Stationary including; telecom power supplies, UPS, industrial and alternative energy

| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 125 | 60 | 12 | Side | No | No | ◉ ⚡ | DCNLJ125NB12 | A |
| | 60 | 24 | Side | No | No | ◉ ⚡ | DCNLJ125NB24 | A |
| | 60 | 60 | Side | No | No | ◉ ⚡ | DCNLJ125NB60 | A |
| | 60 | 60 | Side | No | No | ◉ ⚡ | DCNLH125NB60 | A |
| | 110 | 12 | Side | No | Yes | ◉ ⚡ | DCNLJ125PD12 | A |
| | 110 | 24 | Side | No | Yes | ◉ ⚡ | DCNLJ125PD24 | A |
| | 110 | 60 | Side | No | Yes | ◉ ⚡ | DCNLJ125PD60 | A |
| 150 | 750 | 12 | Bottom | No | Yes | ◉ ⚡ | DCNEVT150-B | B |
| | 750 | 12 | Side | No | Yes | ◉ ⚡ | DCNEVT150-BS | C |
| | 750 | 24 | Bottom | No | Yes | ◉ ⚡ | DCNEVT150-C | B |
| | 750 | 24 | Side | No | Yes | ◉ ⚡ | DCNEVT150-CS | C |
| | 900 | 12 ~ 24 | Bottom | Yes | Yes | ◉ ⚡ | DCNHR150QFA | D |
| | 900 | 12 ~ 24 | Bottom | Yes | No | ◉ ⚡ | DCNHR150MFA | D |
| | 900 | 12 ~ 24 | Bottom | Yes | No | ◉ ⚡ | DCNEV150-MA | F |
| | 900 | 12 ~ 24 | Bottom | Yes | No | ◉ ⚡ | DCNEV150-MAN | F |
| | 900 | 12 ~ 24 | Bottom | No | Yes | ◉ ⚡ | DCNEV150-M | G |
| | 900 | 12 ~ 24 | Bottom | No | Yes | ◉ ⚡ | DCNEV150-MN | G |
| | 900 | 12 ~ 24 | Bottom | No | Yes | ◉ ⚡ | DCNHR150PFA | E |
| | 900 | 12 ~ 24 | Bottom | No | No | ◉ ⚡ | DCNHR150NFA | E |
| 200 | 60 | 12 | Bottom | No | No | ◉ ⚡ | DCNLR200NB12 | H |
| | 60 | 12 | Side | No | No | ⚡ | DCNLH200NB12 | I |
| | 60 | 12 | Side | No | No | ⚡ | DCNLM200NB12 | J |
| | 60 | 12 | Side | No | No | ⚡ | DCNLM200NB12-01 | K |
| | 60 | 24 | Bottom | No | No | ◉ ⚡ | DCNLR200NB24 | H |
| | 60 | 24 | Side | No | No | ⚡ | DCNLB200NB24 | L |
| | 60 | 24 | Side | No | No | ⚡ | DCNLH200NB24 | I |
| | 60 | 24 | Side | No | No | ◉ ⚡ | DCNLJ200NB24 | I |
| | 60 | 24 | Side | No | No | ⚡ | DCNLM200NB24 | J |
| | 60 | 24 | Top | No | No | ⚡ | DCNLM200NB24-01 | K |
| | 60 | 24 | Top | No | No | ⚡ | DCNLM200NB24-02 | K |
| | 60 | 48 | Bottom | No | No | ◉ ⚡ | DCNLR200NB48 | H |
| | 60 | 48 | Side | No | No | ⚡ | DCNLB200NB48 | L |
| | 60 | 48 | Side | No | No | ⚡ | DCNLB200NB48-01 | L |
| | 60 | 48 | Side | No | No | ⚡ | DCNLH200NB48 | I |
| | 60 | 48 | Side | No | No | ◉ ⚡ | DCNLJ200NB48 | I |
| | 60 | 48 | Side | No | No | ⚡ | DCNLM200NB48 | J |
| | 60 | 48 | Side | No | No | ⚡ | DCNLM200NB48-01 | K |
| | 60 | 60 | Bottom | No | No | ◉ ⚡ | DCNLR200NB60 | H |
| | 60 | 60 | Side | No | No | ⚡ | DCNLB200NB60 | L |
| | 60 | 60 | Side | No | No | ◉ ⚡ | DCNLJ200NB60 | I |
| | 110 | 12 | Side | No | Yes | ⚡ | DCNLH200PD12 | I |
| | 110 | 24 | Side | No | Yes | ⚡ | DCNLH200PD24 | I |
| | 110 | 24 | Side | No | Yes | ◉ ⚡ | DCNLJ200PD24 | I |
| | 110 | 60 | Side | No | Yes | ⚡ | DCNLH200PD48 | I |
| | 900 | 12 ~ 24 | Bottom | Yes | Yes | ◉ ⚡ | DCNHR200QFA | D |
| | 900 | 12 ~ 24 | Bottom | Yes | No | ◉ ⚡ | DCNHR200MFA | D |
| | 900 | 12 ~ 24 | Bottom | No | Yes | ◉ ⚡ | DCNHR200PFA | E |
| | 900 | 12 ~ 24 | Bottom | No | No | ◉ ⚡ | DCNHR200NFA | E |

## Product Images



A　B　C　D　E　F　G　H　I　J　K　L

**Application Key** ⊛ Transportation including; truck, bus, material handling, construction and agriculture  ⚡ Stationary including; telecom power supplies, UPS, industrial and alternative energy
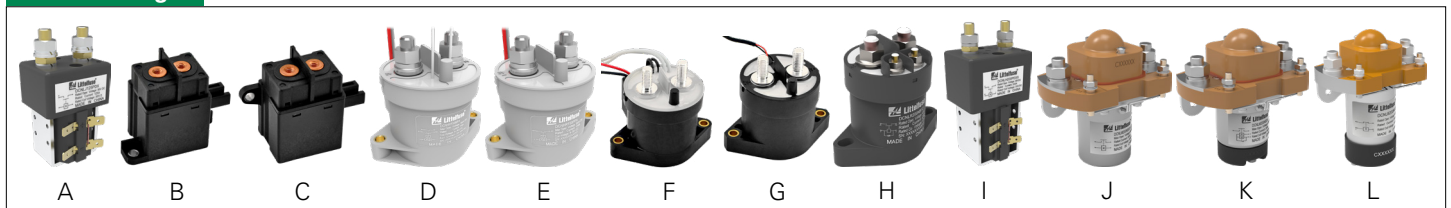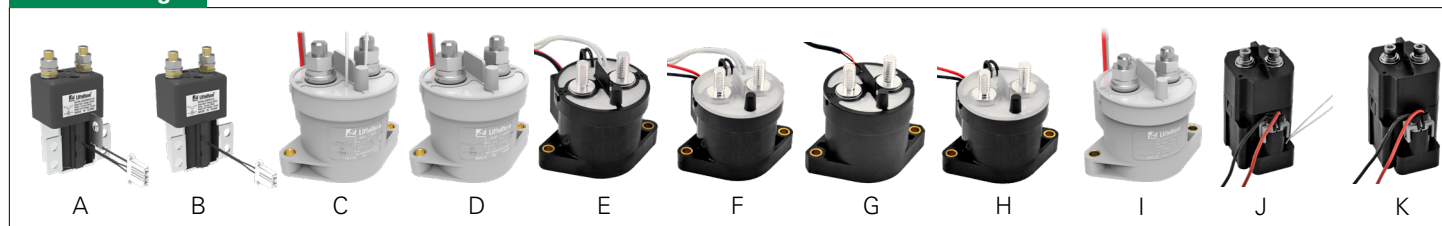
| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 250 | 60 | 12 | Side | No | No | ⊛ ⚡ | DCNLJ250NB12-01 | A |
| | 110 | 12 | Side | No | Yes | ⊛ ⚡ | DCNLJ250PD12 | B |
| | 900 | 12 ~ 24 | Bottom | Yes | Yes | ⊛ ⚡ | DCNHR250QFA | C |
| | | | | | Yes | ⊛ ⚡ | DCNEV250-MA | E |
| | | | | | No | ⊛ ⚡ | DCNEV250-MAN | F |
| | | | | No | Yes | ⊛ ⚡ | DCNEV250-M | G |
| | | | | | Yes | ⊛ ⚡ | DCNEV250-MB | G |
| | | | | | Yes | ⊛ ⚡ | DCNEV250-MP | G |
| | | | | | Yes | ⊛ ⚡ | DCNHR250PFA | D |
| | | | | | No | ⊛ ⚡ | DCNEV250-MN | H |
| | | 48 ~ 72 | | Yes | Yes | ⊛ ⚡ | DCNEV250-GA | C |
| | | | | | No | ⊛ ⚡ | DCNEV250-GAN | F |
| | | | | | No | ⊛ ⚡ | DCNHR250MFA | C |
| | | | | No | Yes | ⊛ ⚡ | DCNEV250-G | G |
| | | | | | Yes | ⊛ ⚡ | DCNEV250-GB | G |
| | | | | | No | ⊛ ⚡ | DCNEV250-GN | H |
| | | | | | No | ⊛ ⚡ | DCNHR250NFA | D |
| | | 72 | | Yes | Yes | ⊛ ⚡ | DCNEV250-FA | E |
| | | | | | No | ⊛ ⚡ | DCNEV250-FAN | F |
| | | | | No | Yes | ⊛ ⚡ | DCNEV250-F | G |
| | | | | | Yes | ⊛ ⚡ | DCNEV250-FB | G |
| | | | | | No | ⊛ ⚡ | DCNEV250-FN | H |
| 300 | 900 | 12 ~ 24 | Bottom | Yes | Yes | ⊛ ⚡ | DCNHR300QFA | I |
| | | | | | No | ⊛ ⚡ | DCNHR300MFA | I |
| | | | | No | Yes | ⊛ ⚡ | DCNHR300PFA | I |
| | | | | | No | ⊛ ⚡ | DCNHR300NFA | I |
| 350 | 1800 | 12 | Bottom | Yes | Yes | ⊛ ⚡ | DCNEVT350-BA | J |
| | | | | No | Yes | ⊛ ⚡ | DCNEVT350-B | K |
| | | 24 | | Yes | Yes | ⊛ ⚡ | DCNEVT350-CA | J |
| | | | | No | Yes | ⊛ ⚡ | DCNEVT350-C | K |

**Product Images**



A    B    C    D    E    F    G    H    I    J    K

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| **Application Key** | ⊛ | Transportation including; truck, bus, material handling, construction and agriculture | ⚡ | Stationary including; telecom power supplies, UPS, industrial and alternative energy |
|---|---|---|---|---|

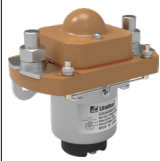| Current (A) | Max Voltage (V) | Coil Voltage (V) | Mounting Type | Aux Contacts | Polarized | Applications | Part Number | Product Image |
|---|---|---|---|---|---|---|---|---|
| 400 | 60 | 12 | Side | No | No | ⚡ | DCNLM400NB12 | A |
| | | 24 | | | | ⚡ | DCNLB400NB24 | B |
| | | | | | | ⚡ | DCNLM400NB24 | A |
| | | | | | | ⚡ | DCNLM400NB24-01 | C |
| | | 48 | | | | ⚡ | DCNLB400NB48 | B |
| | | | | | | ⚡ | DCNLM400NB48 | D |
| | | | | | | ⚡ | DCNLM400NB48-01 | C |
| | 1800 | 12 | Bottom | No | No | ⊛ ⚡ | DCNEVT400-B | E |
| | | | | Yes | | ⊛ ⚡ | DCNEVT400-BA | |
| | | 24 | | No | | ⊛ ⚡ | DCNEVT400-C | F |
| | | | | Yes | | ⊛ ⚡ | DCNEVT400-CA | |
| 500 | 1800 | 12 | Bottom | No | Yes | ⊛ ⚡ | DCNEVT500-B | G |
| | | | | Yes | | ⊛ ⚡ | DCNEVT500-BA | |
| | | 24 | | No | | ⊛ ⚡ | DCNEVT500-C | |
| | | | | Yes | | ⊛ ⚡ | DCNEVT500-CA | |

## Product Images



A  B  C  D  E  F  G

Download Datasheets, 2D prints and 3D Models at: **Littelfuse.com/DCN**