

Molded Case Circuit Breakers

LD-Frame Sentron™ Series Circuit Breaker

2 & 3-Pole; 250-600 Amperes



Ratings & Markings (UL 489 AIR Interrupting Ratings)

| Breaker Type | RMS Symmetrical Amperes (kA) | | | | | | Frame Only - Interchangeable Trip | | |
|-----------------|------------------------------|-----|-----|----------|----------|--------------|-----------------------------------|----------------|--|
| | Volts AC (50/60Hz) | | | Volts DC | | Breaker Type | Frame (2-Pole) | Frame (3-Pole) | |
| | 240 | 480 | 600 | 250 | 500 | | | | |
| LD6-A, LXD6-A | 65 | 35 | 25 | 30 (2-P) | 25 (3-P) | LD6 | LD62F600 | LD63F600 | |
| HLD6-A, HLXD6-A | 100 | 65 | 35 | 30 (2-P) | 35 (3-P) | HLD6 | HLD62F600 | HLD63F600 | |
| HHL6, HHLXD6 | 200 | 100 | 50 | — | — | HHL6 | HHL62F600 | HHL63F600 | |
| CLD6-A | 200 | 150 | 100 | — | 50 (3-P) | — | — | — | |

Dimensions

| Breaker Type | Width | Length | Depth | D-1 (to handle) |
|---|----------|-----------|---------|-----------------|
| LXD6-A, LD6-A, HLD6-A, HHL6, HHLXD6, LXD6-ETI | 7.50 in. | 11 in. | 4.0 in. | 5.44 in. |
| CLD6, CLD6-ETI | 7.50 in. | 17.86 in. | 4.0 in. | 5.44 in. |

Frames

| Trip Amperage | Poles | Breaker-Type Non-interchangeable Trip | | Breaker-Type Interchangeable Trip | | | | | Trip Unit Only |
|---------------|-------|---------------------------------------|-----------|-----------------------------------|-----------|------------|-----------|-------------|----------------|
| | | LXD6-A | CLD6-A | LD6-A | HLD6-A | HLXD6 | HHL6 | HHLXD6 | |
| 250 | 2 | — | — | LD62B250 | HLD62B250 | — | HHL62B250 | — | JD62T250 |
| 300 | 2 | — | — | LD62B300 | HLD62B300 | — | HHL62B300 | — | JD62T300 |
| 350 | 2 | — | — | LD62B350 | HLD62B350 | — | HHL62B350 | — | JD62T350 |
| 400 | 2 | — | — | LD62B400 | HLD62B400 | — | HHL62B400 | — | JD62T400 |
| 450 | 2 | LXD62B450 | — | LD62B450 | HLD62B450 | — | HHL62B450 | — | LD62T450 |
| 500 | 2 | LXD62B500 | — | LD62B500 | HLD62B500 | — | HHL62B500 | — | LD62T500 |
| 600 | 2 | LXD62B600 | — | LD62B600 | HLD62B600 | — | HHL62B600 | — | LD62T600 |
| 250 | 3 | — | — | LD63B250 | HLD63B250 | HLXD63B250 | HHL63B250 | HHLXD63B250 | JD63T250 |
| 300 | 3 | — | — | LD63B300 | HLD63B300 | HLXD63B300 | HHL63B300 | HHLXD63B300 | JD63T300 |
| 350 | 3 | — | — | LD63B350 | HLD63B350 | HLXD63B350 | HHL63B350 | HHLXD63B350 | JD63T350 |
| 400 | 3 | — | — | LD63B400 | HLD63B400 | HLXD63B400 | HHL63B400 | HHLXD63B400 | JD63T400 |
| 450 | 3 | LXD63B450 | CLD63B450 | LD63B450 | HLD63B450 | HLXD63B450 | HHL63B450 | HHLXD63B450 | LD63T450 |
| 500 | 3 | LXD63B500 | CLD63B500 | LD63B500 | HLD63B500 | HLXD63B500 | HHL63B500 | HHLXD63B500 | LD63T500 |
| 600 | 3 | LXD63B600 | CLD63B600 | LD63B600 | HLD63B600 | HLXD63B600 | HHL63B600 | HHLXD63B600 | LD63T600 |

Frames - Magnetic Trip Only - ETI Motor Circuit Protector

| Ampere Rating | Poles | Minimum | Maximum | LXD6 | CLD6 |
|---------------|-------|---------|---------|-----------|-----------|
| 600 | 2 | 2000 | 4000 | LXD62L600 | — |
| 600 | 2 | 3000 | 6000 | — | — |
| 600 | 3 | 3000 | 6000 | LXD63L600 | CLD63L600 |
| 600 | 3 | 2000 | 4000 | LXD63H600 | CLD63H600 |

Frames - Molded Case Switch - Circuit Disconnect

| Ampere Rating | Poles | LXD6 | HJXD6 | CJD6 |
|---------------|-------|------------|-------------|------------|
| 600 | 3 | LXD63S600A | HJXD63S600A | CLD63S600A |

Lugs For 75°C Wire

| Catalog Number | Cables Per Lug | Wire Range |
|-----------------|----------------|-------------------|
| TA2J6500 | 1, 2 | #3/0-500 kcmil Cu |
| | 2 | #4/0-500 kcmil Al |
| TC2J6500 | 2 | #3/0-500 kcmil Cu |
| TA1L6750 | 1 | 500-750 kcmil Al |
| | 1 | 500-600 kcmil Cu |
| TC1J6600 | 1 | #3/0-600 kcmil Cu |
| Compression Lug | | |
| CCL600 | 1 | 500 kcmil Cu/Al |

Shunt Trip Combinations

| Control Voltage | | 1 Shunt Trip | 1 Shunt Trip and 1 Auxiliary Switch |
|-----------------|-----|----------------|-------------------------------------|
| AC | DC | Catalog Number | Catalog Number |
| 24 | — | S17JLD6 | — |
| 48 | — | S18JLD6 | — |
| 120 | — | S01JLD6 | S01JLD62A |
| 240 | — | S03JLD6 | S03JLD62A |
| 277 | — | S15JLD6 | S15JLD64A |
| 480 | — | S04JLD6 | — |
| — | 12 | S16JLD6 | S16JLD62A |
| — | 24 | S07JLD6 | S07JLD62A |
| — | 48 | S09JLD6 | S09JLD62A |
| — | 125 | S11JLD6 | S11JLD62A |
| — | 250 | S13JLD6 | S13JLD62A |

Auxiliary Switch Combinations

| Maximum Voltage | | 1 Form C | 2 Form C |
|-----------------|-----|----------------|----------------|
| AC | DC | Catalog Number | Catalog Number |
| 480 | 250 | A01JLD64 | A02JLD64 |
| — | 12 | A01JLDLV | A02JLDLV |

Alarm Switch Combinations

| Maximum Voltage | | 1 Alarm Switch | 1 Alarm Switch and 1 Auxiliary Switch | 1 Alarm Switch and 2 Auxiliary Switches |
|-----------------|-----|----------------|---------------------------------------|---|
| AC | DC | Catalog Number | Catalog Number | Catalog Number |
| 480 | 250 | B01JLD64 | A01JLD64B | A02JLD64B |

Undervoltage Trip Combinations

| Control Voltage | | 1 Undervoltage Trip | 1 Undervoltage Trip and 1 Auxiliary Switch | 1 Undervoltage Trip and 2 Auxiliary Switches |
|-----------------|-----|---------------------|--|--|
| AC | DC | Catalog Number | Catalog Number | Catalog Number |
| 120 | — | U01JLD6 | U01JLD62A | U01JLD62AA |
| 208 | — | U02JLD6 | U02JLD62A | U02JLD62AA |
| 240 | — | U03JLD6 | U03JLD62A | U03JLD62AA |
| 480 | — | U06JLD6 | U06JLD64A | U06JLD64AA |
| — | 24 | U13JLD6 | U13JLD62A | U13JLD62AA |
| — | 48 | U14JLD6 | U14JLD62A | U14JLD62AA |
| — | 125 | U10JLD6 | U10JLD62A | U10JLD62AA |
| — | 250 | U12JLD6 | U12JLD62A | U12JLD62AA |

Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

Subject to change without prior notice
Order No. CBDS-LDGEN-0717
Printed in USA
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