
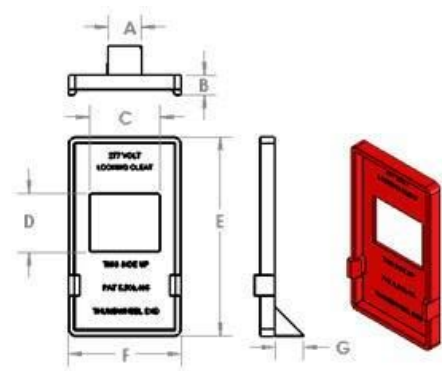


Clamp On Breaker Lockout Cleat Attachments

TDS No. LOTO-17
Effective Date: 10/09/2017

Description:

| <p>Design</p> <ul style="list-style-type: none"> To be used in conjunction with clamp-on breaker lockouts (both 120v and 480v) Easily clips onto the bottom of the lockout body Assures positive restraint for breakers with long, sliding switch throws |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|----------|-----|----------------|-----------------|----------|----------------|----------------|-----|-----------------|-----------------|---------|-----------------|-----------------|-----|--------------------------|----------------|--------------------------------------|-----------------|---|-----|-----------------------|----------------|---------------------------|-------|---|-------|--|----|----------------------------|----|----------|----|---|----|
| <p>Material</p> <ul style="list-style-type: none"> Body: Polypropylene <ul style="list-style-type: none"> Color: Housing – Red UL Rating: UL 94 – HB (Plastic Component Only) | <table border="1"> <thead> <tr> <th>Chemical</th> <th>°C</th> <th>Chemical</th> <th>°C</th> </tr> </thead> <tbody> <tr> <td>Acetone</td> <td>25</td> <td>Petroleum</td> <td>25</td> </tr> <tr> <td>Acetone</td> <td>60</td> <td>Turpentine oil</td> <td>25</td> </tr> <tr> <td>Chlorine, chlorine water</td> <td>25</td> <td>Turpentine substitute (white spirit)</td> <td>25</td> </tr> <tr> <td>Fuel, engine: Gasoline (normal & premium grade)</td> <td>85</td> <td>Trichloroethane 1,1,1</td> <td>45</td> </tr> <tr> <td>Lubrication oil: gear oil</td> <td>< 120</td> <td>Lubricating oil: HD engine oils, hydraulic oils, transformer oils</td> <td>< 120</td> </tr> <tr> <td>Fuel, engine: M15 mixture (15% methanol)</td> <td>70</td> <td>Water (including seawater)</td> <td>25</td> </tr> <tr> <td>Methanol</td> <td>25</td> <td>Water (including seawater), chlorinated (<0,5 mg/l)</td> <td>80</td> </tr> </tbody> </table> | | | | Chemical | °C | Chemical | °C | Acetone | 25 | Petroleum | 25 | Acetone | 60 | Turpentine oil | 25 | Chlorine, chlorine water | 25 | Turpentine substitute (white spirit) | 25 | Fuel, engine: Gasoline (normal & premium grade) | 85 | Trichloroethane 1,1,1 | 45 | Lubrication oil: gear oil | < 120 | Lubricating oil: HD engine oils, hydraulic oils, transformer oils | < 120 | Fuel, engine: M15 mixture (15% methanol) | 70 | Water (including seawater) | 25 | Methanol | 25 | Water (including seawater), chlorinated (<0,5 mg/l) | 80 |
| Chemical | °C | Chemical | °C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetone | 25 | Petroleum | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetone | 60 | Turpentine oil | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chlorine, chlorine water | 25 | Turpentine substitute (white spirit) | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel, engine: Gasoline (normal & premium grade) | 85 | Trichloroethane 1,1,1 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lubrication oil: gear oil | < 120 | Lubricating oil: HD engine oils, hydraulic oils, transformer oils | < 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel, engine: M15 mixture (15% methanol) | 70 | Water (including seawater) | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methanol | 25 | Water (including seawater), chlorinated (<0,5 mg/l) | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Temperature Range</p> <ul style="list-style-type: none"> Polypropylene: -20° to 80°C (0° to 175°F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Chemical Resistance</p> <p>All approved chemicals listed are based on the manufactures specified chemical resistance chart for plastic material only.</p> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Dimensions</p> <table border="1"> <thead> <tr> <th></th> <th>120/277V</th> <th>480/600V</th> </tr> </thead> <tbody> <tr> <td>"A"</td> <td>0.33" [8.37mm]</td> <td>0.49" [12.36mm]</td> </tr> <tr> <td>"B"</td> <td>0.19" [4.95mm]</td> <td>0.25" [6.35mm]</td> </tr> <tr> <td>"C"</td> <td>0.71" [18.06mm]</td> <td>1.89" [48.11mm]</td> </tr> <tr> <td>"D"</td> <td>0.59" [15.01mm]</td> <td>1.13" [28.59mm]</td> </tr> <tr> <td>"E"</td> <td>2.0" [50.74mm]</td> <td>2.7" [68.58mm]</td> </tr> <tr> <td>"F"</td> <td>1.13" [28.70mm]</td> <td>2.34" [59.44mm]</td> </tr> <tr> <td>"G"</td> <td>0.29" [7.37mm]</td> <td>0.39" [9.78mm]</td> </tr> </tbody> </table> | | 120/277V | 480/600V | "A" | 0.33" [8.37mm] | 0.49" [12.36mm] | "B" | 0.19" [4.95mm] | 0.25" [6.35mm] | "C" | 0.71" [18.06mm] | 1.89" [48.11mm] | "D" | 0.59" [15.01mm] | 1.13" [28.59mm] | "E" | 2.0" [50.74mm] | 2.7" [68.58mm] | "F" | 1.13" [28.70mm] | 2.34" [59.44mm] | "G" | 0.29" [7.37mm] | 0.39" [9.78mm] | | | | | | | | | | | | |
| | 120/277V | 480/600V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "A" | 0.33" [8.37mm] | 0.49" [12.36mm] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "B" | 0.19" [4.95mm] | 0.25" [6.35mm] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Warranty

Note: All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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Circuit Breaker Cross Reference Guide

| Circuit Breaker Manufacture | Breaker Type | # of Poles | Circuit Breaker Manufacture | Breaker Type | # of Poles | Circuit Breaker Manufacture | Breaker Type | # of Poles | Circuit Breaker Manufacture | Breaker Type | # of Poles |
|-----------------------------|--------------|------------|-----------------------------|--------------|------------|-----------------------------|--------------|------------|-----------------------------|--------------|------------|
| American Ckt. Bkr. | NEF | 3 | Cutler Hammer | QHCW | 1 | General Electric | TQD | 2-3 | Square D | KA | 2-3 |
| American Switch | C | 1 | Cutler Hammer | QH CX | 1 | General Electric | TQL-A | 1 | Square D | KAL | 2-3 |

| | | | | | | | | | | | |
|---------------|---------|-----|-------------------|-----------|-----|------------------|---------|-----|----------------|------------|-----|
| Bryant | BR | 1 | Cutler Hammer | QHPW | 1 | General Electric | TQL-S | 1 | Square D | KC | 2-3 |
| Challenger | C | 1 | Cutler Hammer | QHPX | 1 | Heinemann | LB | 1 | Square D | KCL | 2-3 |
| Challenger | LM | 1 | Cutler Hammer | QPGF | 1 | Heinemann | LF | 1 | Square D | KH | 2-3 |
| Challenger | NEJ | 1-2 | Cutler Hammer | QPGFEP | 1 | Heinemann | LJ | 1 | Square D | KHL | 3 |
| Cutler Hammer | BA | 1 | Cutler Hammer | QPHGF | 1 | Lemag | SD62 | 1 | Square D | KI | 2-3 |
| Cutler Hammer | BAB | 1 | Cutler Hammer | QPHGFEP | 2 | Merlin Gerin | CE104D | 3 | Square D | KIL | 2-3 |
| Cutler Hammer | BD | 1 | Cutler Hammer | QPHW | 1 | Seimans ITE | BL | 1 | Square D | Q1B | 2-3 |
| Cutler Hammer | BR | 1 | Fed. Pacific Elec | BAB | 1 | Seimans ITE | BLH | 1 | Square D | Q1L | 2-3 |
| Cutler Hammer | BRH | 1 | Fed. Pacific Elec | NB | 1 | Seimans ITE | BQ | 1 | Square D | Q2 | 2-3 |
| Cutler Hammer | CC | 3 | Fed. Pacific Elec | NBH GFI | 1 | Seimans ITE | BQCH | 1-3 | Square D | Q2H | 2-3 |
| Cutler Hammer | CH | 1 | Fed. Pacific Elec | NE/NEF | 1-3 | Seimans ITE | BQD | 1-3 | Square D | Q2L | 2-3 |
| Cutler Hammer | CHH | 3 | Fed. Pacific Elec | NEJ | 1-3 | Seimans ITE | BQH | 1 | Square D | Q2MT | 2-3 |
| Cutler Hammer | CHB | 1 | Fed. Pacific Elec | NFJ | 1-3 | Seimans ITE | CED6 | 2-3 | Square D | QO | 2-3 |
| Cutler Hammer | CHP | 1 | Fed. Pacific Elec | NP-single | 1 | Seimans ITE | CQD | 1-3 | Square D | QOB | 2-3 |
| Cutler Hammer | CL | 1 | Frank Adams | P | 1 | Seimans ITE | E2 | 1-3 | Square D | QOB-VH | 1 |
| Cutler Hammer | CSR | 1 | FUJI Electric | EA53B | 3 | Seimans ITE | E4 | 1-3 | Square D | QOM1-VH | 2 |
| Cutler Hammer | E125B | 1-4 | FUJI Electric | EA203B | 3 | Seimans ITE | ED | 1-3 | Square D | QOM2-VH | 2 |
| Cutler Hammer | E125E | 1-4 | FUJI Electric | BU-ESB | 3 | Seimans ITE | ED4 | 1-3 | Square D | QO-SWN | 2-3 |
| Cutler Hammer | E125H | 1-4 | FUJI Electric | BU-ESA | 3 | Seimans ITE | ED6 | 1-3 | Square D | QOU | 2-3 |
| Cutler Hammer | E125S | 1-4 | FUJI Electric | BU-FSB | 3 | Seimans ITE | ED6-ETI | 3 | Square D | QO-VH | 2-3 |
| Cutler Hammer | ED | 2-4 | General Electric | HQC | 3 | Seimans ITE | EE3 | 3 | Thomas & Betts | F Frame | 1-3 |
| Cutler Hammer | EDC | 2-4 | General Electric | SED | 2-3 | Seimans ITE | EH3 | 3 | Toshiba | E225B | 3 |
| Cutler Hammer | EDH | 2-4 | General Electric | SEH | 2-3 | Seimans ITE | ET | 3 | Westinghouse | BA | 1-3 |
| Cutler Hammer | EFH | 1-4 | General Electric | SEL | 2-3 | Seimans ITE | FJ2-B | 2-3 | Westinghouse | BAA5 | 1-3 |
| Cutler Hammer | EGB | 1-4 | General Electric | SEP | 2-3 | Seimans ITE | GF | 1 | Westinghouse | BR | 1-3 |
| Cutler Hammer | EGE | 1-4 | General Electric | SFH | 2-3 | Seimans ITE | HBL | 1 | Westinghouse | CA | |
| Cutler Hammer | EGS | 1-4 | General Electric | SFL | 2-3 | Seimans ITE | HBQ | 1 | Westinghouse | EB | 1-3 |
| Cutler Hammer | EHC | 1-4 | General Electric | SFP | 2-3 | Seimans ITE | HE4 | 1-3 | Westinghouse | ED | |
| Cutler Hammer | EHD | 1-4 | General Electric | TB | 2 | Seimans ITE | HED4 | 1-3 | Westinghouse | EH | 1-3 |
| Cutler Hammer | FB | 2-3 | General Electric | TBC | 2 | Seimans ITE | HED6 | 2-3 | Westinghouse | EHB | 1-3 |
| Cutler Hammer | FC | 1-4 | General Electric | TE | 1-3 | Seimans ITE | HHED6 | 2-3 | Westinghouse | EHD | 1-3 |
| Cutler Hammer | FD | 1-4 | General Electric | TEB | 1-3 | Seimans ITE | HQJ2-H | 3 | Westinghouse | FA | 3 |
| Cutler Hammer | FDB | 2-4 | General Electric | TED | 1-3 | Seimans ITE | HQP | 1 | Westinghouse | FB | 2-3 |
| Cutler Hammer | FDC | 2-4 | General Electric | TEF | 1-3 | Seimans ITE | HQPP | 1 | Westinghouse | FD | 1-4 |
| Cutler Hammer | FS | 2-3 | General Electric | TEL | 3 | Seimans ITE | QJ2 | 2-3 | Westinghouse | FDB | 2-4 |
| Cutler Hammer | GB | 1-3 | General Electric | TEML | 3 | Seimans ITE | QJ2-H | 2-3 | Westinghouse | FDC | 2-4 |
| Cutler Hammer | GC | 1-3 | General Electric | TEY | 1-3 | Seimans ITE | QJH2 | 2-3 | Westinghouse | GB | 1-3 |
| Cutler Hammer | GD | 1-3 | General Electric | TF | 1-3 | Seimans ITE | QP | 1 | Westinghouse | GBH | 1-3 |
| Cutler Hammer | GDB | 1-3 | General Electric | TFC | 3 | Seimans ITE | QP1 | 1 | Westinghouse | GHB | 1-3 |
| Cutler Hammer | GHB | 1-3 | General Electric | THED | 1-3 | Seimans ITE | QPH | 1 | Westinghouse | HBAW | 1 |
| Cutler Hammer | GHBGFEP | 1 | General Electric | THEF | 1-3 | Seimans ITE | QPP | 1 | Westinghouse | HBAX | 1 |
| Cutler Hammer | GHC | 1-3 | General Electric | THHQB-A | 1 | Seimans ITE | QPPH | 1 | Westinghouse | HCA | 3 |
| Cutler Hammer | GHCGFEP | 1 | General Electric | THHQB-S | 1 | Seimans ITE | 3VF3 | 3 | Westinghouse | HFB | 1-3 |
| Cutler Hammer | HBAW | 1 | General Electric | THHQC-A | 1 | Square D | EDB | 1-3 | Westinghouse | HFD | 1-4 |
| Cutler Hammer | HBAX | 1 | General Electric | THHQC-S | 1 | Square D | EGB | 1-3 | Westinghouse | HMCP | |
| Cutler Hammer | HFD | 1-4 | General Electric | THHQL-A | 1 | Square D | EH4 | 1-3 | Westinghouse | HQNP | 3 |
| Cutler Hammer | HGHB | 1 | General Electric | THHQL-S | 1 | Square D | EHB | 1-3 | Westinghouse | HQP | 1 |
| Cutler Hammer | HGHC | 1 | General Electric | THLC1 | 3 | Square D | EJB | 1-3 | Westinghouse | MCPO | 3 |
| Cutler Hammer | HMCP | 2-3 | General Electric | THQB-A | 1 | Square D | FA | 1-3 | Westinghouse | P | 3 |
| Cutler Hammer | HQP | 1 | General Electric | THQB-S | 1 | Square D | FAL | 1-3 | Westinghouse | QBHW | 1 |
| Cutler Hammer | QBGF | 1 | General Electric | THQC-A | 1 | Square D | FC | 3 | Westinghouse | QC | 1 |
| Cutler Hammer | QBGFEP | 1 | General Electric | THQC-S | 1 | Square D | FCL | 2-3 | Westinghouse | QCHQ | 1 |
| Cutler Hammer | QBHGF | 1 | General Electric | THQD | 2-3 | Square D | FDA | | Westinghouse | QHCW | 1 |
| Cutler Hammer | QBHGFEP | 1 | General Electric | THQL-A | 1 | Square D | FH | 1-3 | Westinghouse | QHCX | 1 |
| Cutler Hammer | QBHW | 1 | General Electric | THQL-S | 1 | Square D | FHL | 1-3 | Westinghouse | QHPW | 1 |
| Cutler Hammer | QC | 1 | General Electric | TJC | 2-3 | Square D | FHL-DC | 3 | Westinghouse | QPHW | 1 |
| Cutler Hammer | QCD | 1 | General Electric | TKC | 3 | Square D | FHP | 3 | Westinghouse | Quicklag P | |
| Cutler Hammer | QCGF | 1 | General Electric | TQB-A | 1 | Square D | FI | 3 | Westinghouse | RE | |
| Cutler Hammer | QCGFEP | 1 | General Electric | TQB-S | 1 | Square D | FIL | 3 | Westinghouse | WPHX | 1 |
| Cutler Hammer | QCHGF | 1 | General Electric | TQC-A | 1 | Square D | FY | 1 | Zinsco | HQB | 6 |
| Cutler Hammer | QCHGFEP | 1 | General Electric | TQC-S | 1 | Square D | GJL | 3 | Zinsco | QB | 1 |
| Cutler Hammer | QCHW | 1 | | | | | | | | | |

Details:

MSDS Information

1. HAZARDS IDENTIFICATION

This product is NOT DANGEROUS and contains no hazardous ingredients.

2. FIRST AID MEASURES/HEALTH INFORMATION /PROTECTION

| | |
|----------------------|--|
| Eye Contact: | Not applicable, product is inert |
| Ingestion: | Not applicable, first aid is not normally required. |
| Inhalation: | Not applicable |
| Skin Contact: | Not applicable, product is inert, except if product is melted use gloves. For hot melted product, immerse in or flush affected area with water to dissipate heat, then obtain medical attention. |
| Exposure Limits: | None |
| Threshold Limits | None |
| Personal Protection: | None (ambient conditions) |
| NPCA-HMIS Rating: | Health: 0; Flammability: 1; Reactivity: 0 |
| NFPA-704 Rating: | Health: 0; Flammability: 1; Reactivity: 0 |

3. FIRE-FIGHTING MEASURES

| | |
|--|--|
| <ul style="list-style-type: none"> Be cautious of hot melted Nylon | <ul style="list-style-type: none"> Use water spray to cool fire, exposed surfaces, and to protect personnel |
| <ul style="list-style-type: none"> Isolate product from fire | <ul style="list-style-type: none"> Respiratory and eye protection is required for fire fighting personnel |
| <ul style="list-style-type: none"> Extinguish fire with water spray | <ul style="list-style-type: none"> Decomposition products under fire conditions: Oxygen-lean conditions may cause monoxide and irritating smoke |

4. ACCIDENTAL RELEASE MEASURES

| | |
|-------|---|
| Land | Recover material and place in suitable container for reuse or for disposal in conformance with local regulations. |
| Water | Recover material and place in suitable container for reuse or for disposal in conformance with local regulations. |

5. HANDLING AND STORAGE

| | |
|---|--|
| 5.1 Handling | 5.2 Storage |
| No precautions noted-see local regulation if needed | Storage pressure: Atmospheric |
| | Storage temperature: Ambient, no direct sunlight |

6. EXPOSURE CONTROL/PERSONAL PROTECTION

| | |
|---------------------------|--|
| 6.1 Exposure limit values | 6.2 Exposure Controls |
| None | 6.2 .1 Occupational Exposure Controls |
| | 6.2.1.1 Respiratory Protection: Not applicable |
| | 6.2.1.2 Hand Protection: Not applicable |
| | 6.2.1.3 Eye Protection: Not applicable |
| | 6.2.1.4 Skin Protection: Not applicable |
| | 6.2.2 Environmental Exposure Controls: No data available |

7. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|--|
| General Information | |
| Other Information | |

8. STABILITY AND REACTIVITY

| |
|---|
| 8.1 Conditions to Avoid |
| Higher Temperatures and direct sunlight (chemical resistance is excellent) |
| Highly stable, but temperature s over 480 F may cause degradation |
| 8.2 Materials to Avoid |
| No data available |
| 8.3 Hazardous Decomposition Products |
| Under fire and oxygen-lean conditions may cause monoxide and irritating smoke |

9. ECOLOGICAL INFORMATION

| | |
|-----------------------------------|-------------------|
| 9.1 Ecotoxicity | No data available |
| 9.2 Mobility | No data available |
| 9.3 Persistence and Degradability | No data available |
| 9.4 Bioaccumulative Potential | No data available |
| 9.5 Other Adverse Effects | No data available |

10. DISPOSAL CONSIDERATIONS

| |
|--|
| None of the materials in this product are Recyclable, dispose of all materials in accordance with an applicable federal, state, and local law. |
|--|

11. TRANSPORT INFORMATION

| |
|-------------------|
| No data available |
|-------------------|

12. REGULATORY INFORMATION

| | |
|--|----------------------|
| This product has been tested and validated to the Regulatory Requirements listed below | |
| • OSHA 29 CFR 1910.147 ©(4)(ii)(A)(1)/(c)(5)(ii)(C)(1) | • ANSI standard Z244 |

13. OTHER INFORMATION

| |
|-------------------|
| No data available |
|-------------------|

Trademarks:

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