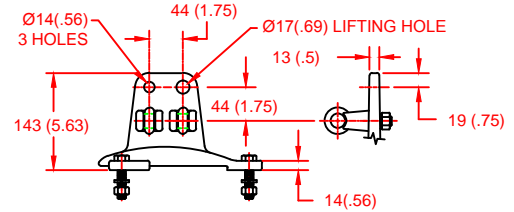
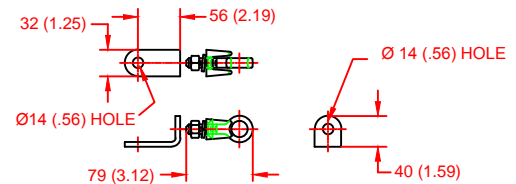


**LINE TERMINAL DETAIL**



HDG 4-HOLE TERMINAL PAD, PART No. 901704001  
 TWO HDG TERMINALS, PART No. 2714143001  
 SUITABLE FOR COPPER OR ALUMINUM CONDUCTOR SIZE  
 Ø 7 (.25) - Ø 21 (.81)  
 25 - 240 sq mm  
 AWG#4 - 500 MCM

**GROUND TERMINAL DETAIL**



HDG TERMINAL BRACKET, PART No. 896064001  
 ONE HDG TERMINAL, PART No. 2714143001  
 SUITABLE FOR COPPER OR ALUMINUM CONDUCTOR SIZE  
 Ø 7 (.25) - Ø 21 (.81)  
 25 - 240 sq mm  
 AWG#4 - 500 MCM

Ø = DIAMETER  
 HDG = HOT DIP GALVANIZED

| CHARACTERISTICS   |                  |
|-------------------|------------------|
| RATED VOLTAGE, Ur | 192 kVrms        |
| MCOV, Uc          | 153.6 kVrms      |
| MASS              | 232kg (510lb)    |
| CREEPAGE DISTANCE | 6414 (252.5)     |
| LIGHTNING IMP W/S | 1018 kV          |
| SWITCHING IMP W/S | 936 kV           |
| POWER FREQ W/S    | 588 kVrms        |
| TOV 1s            | 212 kVrms        |
| TOV 10s           | 199 kVrms        |
| SLL BENDING FORCE | 2800 N (629lbf)  |
| SSL BENDING FORCE | 6999 N (1573lbf) |
| COG ABOVE BASE    | 1219 (48.0)      |
| HOUSING           | BROWN PORCELAIN  |

| RECOMMENDED CLEARANCE (TO METAL PARTS) |             |
|--|-------------|
| PHASE TO GROUND                        | 887 (34.9)  |
| PHASE TO PHASE                         | 1017 (40.0) |

- NOTES:  
 1. DIMENSIONS IN millimeters(inches) SUBJECT TO ±3% TOLERANCE  
 2. CLEARANCE AND INSULATION W/S VOLTAGE APPLY AT SEA LEVEL  
 3. ARRESTER SUITABLE FOR OPERATION AT ALTITUDES UP TO 3650m (12000ft)

| RESIDUAL VOLTAGE (kV) FOR INDICATED IMPULSE TYPES AND CURRENT MAGNITUDES |                   |      |                        |       |       |       |
|--|-------------------|------|------------------------|-------|-------|-------|
| STEEP CURRENT IMPULSE  | SWITCHING IMPULSE |      | 8/20 LIGHTNING IMPULSE |       |       |       |
| 20 kA  | 0.5 kA            | 2 kA | 5 kA                   | 10 kA | 20 kA | 40 kA |
| 591  | 375               | 398  | 430                    | 451   | 483   | 532   |

IEC CLASS 4  
 SURGE ARRESTER

Program Revision  
 2018.12.3.03.25.15

REV DATE  
 12/03/15

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| TITLE  |          |                       |        |
|--|----------|-----------------------|--------|
| <b>MH4 ARRESTER<br/>192 KV RATED VOLTAGE</b> |          |                       |        |
| SIZE   | DWG NO.  | CAT / PART / ASSY NO. | REV    |
| S  | 19831441 | MH4245BH192AA         | 2      |
| DO NOT SCALE THIS DRAWING                    | DRN BY   | DATE                  | SHEET  |
|  | NON      | 03/22/11              | 1 OF 1 |



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