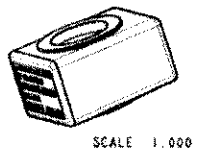
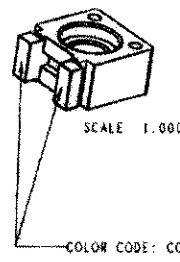


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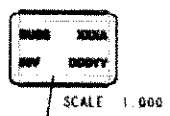
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FUSE  
 MRBF - XXX

- AMPERAGES
- 030 - 30 AMPS
  - 040 - 40 AMPS
  - 050 - 50 AMPS
  - 060 - 60 AMPS
  - 075 - 75 AMPS
  - 080 - 80 AMPS
  - 090 - 90 AMPS
  - 100 - 100 AMPS
  - 125 - 125 AMPS
  - 150 - 150 AMPS
  - 175 - 175 AMPS
  - 200 - 200 AMPS
  - 225 - 225 AMPS
  - 250 - 250 AMPS
  - 300 - 300 AMPS

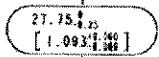
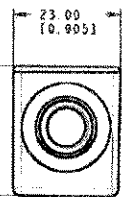
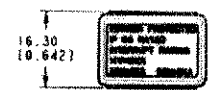


LASER MARKING ON THIS SURFACE -  
 BUSS, AMPERAGE, DATE CODE  
 (DDD = DAY OF YEAR, YY = YEAR)  
 EXAMPLE: MAY 1, 2007 = 12107

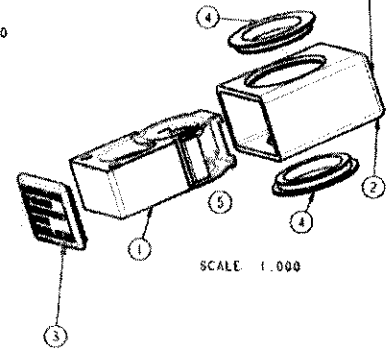


| REV | DESCRIPTION   | DATE       | APPR |
|-----|---|------------|------|
| X1  | RELEASED TO PRODUCTION  | 04-07-2006 |      |
| X2  | ADDED NOTES AND ASSEMBLY INSTRUCTION #5. MAKE DIM 27.75 AN INSPECTION DIM CHANGE FUSE ELEMENT P/N TO B107-7146-XXX  | 10-12-2006 |      |
| 0   | ECN-055208<br>RELEASED PRINT CTH  | 12-18-2006 |      |
| 1   | ADDED COLD RESISTANCE, VOLTAGE DROP, CLEAR TIME, SILICONE COATING COLUMNS TO TABLE. ADDED NOTES 4, 5 AND 6. DELETED 70A FROM TABLE. COLOR CODE: 30A LT GREEN WAS LT BLUE, 40A LT BLUE WAS LT GREEN.<br>ECN-007101 CTH | 05-15-2007 | CTH  |
| 2   | ADDED "J" TO DISTRIBUTION LIST<br>ECN: BU-J08223 CTH  | 04-10-2008 | CTH  |

| PART SPECIFICATION |            |            |                      |                   |                       |                  |
|--------------------|------------|------------|----------------------|-------------------|-----------------------|------------------|
| PART NUMBER        | AMP RATING | COLOR CODE | COLD RESISTANCE (mΩ) | VOLTAGE DROP (mV) | 135% CLEAR TIME (SEC) | SILICONE COATING |
| MRBF-030           | 30         | LT GREEN   | 2.0670-2.1830        | 75-93             | 200-400               | NO               |
| MRBF-040           | 40         | LT BLUE    | 1.4160-1.6480        | 77-86             | 400-600               | NO               |
| MRBF-050           | 50         | RED        | 1.1821-1.3140        | 74-90             | 300-500               | NO               |
| MRBF-060           | 60         | GOLD       | 1.0300-1.1483        | 76-89             | 100-300               | NO               |
| MRBF-075           | 75         | BROWN      | 0.7349-0.7862        | 65-86             | 250-500               | NO               |
| MRBF-080           | 80         | LIME       | 0.7400-0.7884        | 79-85             | 100-300               | NO               |
| MRBF-090           | 90         | PURPLE     | 0.4856-0.5635        | 54-76             | 100-300               | NO               |
| MRBF-100           | 100        | YELLOW     | 0.5397-0.5914        | 64-85             | 150-300               | NO               |
| MRBF-125           | 125        | GREEN      | 0.3888-0.4333        | 58-78             | 450-650               | NO               |
| MRBF-150           | 150        | ORANGE     | 0.3240-0.3759        | 56-83             | 450-650               | NO               |
| MRBF-175           | 175        | WHITE      | 0.2372-0.2731        | 61-80             | 300-550               | YES              |
| MRBF-200           | 200        | BLUE       | 0.2111-0.2408        | 55-74             | 450-650               | YES              |
| MRBF-225           | 225        | TAN        | 0.2020-0.2482        | 52-57             | 290-450               | YES              |
| MRBF-250           | 250        | PINK       | 0.1824-0.1921        | 53-65             | 400-700               | YES              |
| MRBF-300           | 300        | GREY       | 0.1439-0.1873        | 51-75             | 200-400               | YES              |



NOT STAMPING ON THIS SURFACE



- ASSEMBLY INSTRUCTION:**
- SHARP TWO RING CONTACTS (4) TO OUTER COVER (2)
  - ASSEMBLE FUSE LINK (5) TO CERAMIC BODY (1)
  - BEND ALL FOUR TABS OF FUSE LINK (5) TO HOLE OF CERAMIC BODY (1)
  - SLIDE FUSE ASSEMBLY (1, 4, 5) INTO OUTER COVER (2)
  - SONIC WELD COVER CAP (3) TO OUTER COVER W/FUSE ASSEMBLY (1, 2, 4, 5)
  - MARKING (BUSS, AMPERAGE, VOLTAGE, DATE CODE)

- NOTES:**
- THIS SYMBOL OUTLINING A DIMENSION INDICATES AN INSPECTION DIMENSION. THAT DIMENSION SHALL BE REGULARLY CHECKED BY OUTGOING INSPECTION.
  - MINIMUM SONIC WELD FORCE OF CAP TO COVER (PUSHOUT FORCE = 75 LBS.). PLASTIC WELDING 120 OF EACH 4 SIDES OF COVER & CAP. PERFORM WATER TEST (AFTER 2 HOURS, PART SHALL NOT EXHIBIT WATER LEAK).
  - SILICONE COATING: EVENLY APPLY (TRANSPARENT). NO THICK LAYER AND/OR EXCESSIVE SILICONE MATERIAL IN HOLE.
  - 100% INSPECTION OF COLOR & MILLI-OHM, DURING MANUFACTURING PROCESS.
  - VOLTAGE DROP DATA MEASURED AT 100% RATED CURRENT WITH BUSBAR ASSEMBLY (CF6AR-XXX).

| PART NUMBER (DO NOT ADD TO BOM) |     |                   |               |
|---------------------------------|-----|-------------------|---------------|
| ITEM                            | QTY | DESCRIPTION       | PART NO.      |
| 1                               | 1   | FUSE CERAMIC BODY | B070-7009     |
| 2                               | 1   | OUTER COVER       | B068-7090     |
| 3                               | 1   | OUTER COVER CAP   | B068-7091     |
| 4                               | 2   | RING CONTACT      | B126-7076     |
| 5                               | 1   | FUSE ELEMENT      | B107-7146-XXX |

**COOPER Bussmann**  
 St. Louis, MO

| TOLERANCES UNLESS OTHERWISE SPECIFIED |                 |
|---------------------------------------|-----------------|
| METRIC (mm)                           | ENGLISH (IN)    |
| 1 PL DEC: 0.25                        | 2 PL DEC: 0.01  |
| 2 PL DEC: 0.13                        | 3 PL DEC: 0.005 |

| THIRD ANGLE PROJECTION |                       |
|------------------------|-----------------------|
| ANGULAR TOL: 0.25°     | FRACTION TOL: 1/64 IN |

Plot Size: J, 56  
 Design Units: METRIC/ENGLISH  
 BU-J08223

For change history please consult the Bussmann Engineering Change Notice number listed below.

Title: MARINE RATED BATTERY FUSE ASSEMBLY  
 Sheet 1 of 1  
 Scale: 3.000  
 Revision Number: 2.01

Date: 26-Jan-08  
 Created By: CTH  
 Part Number: MRBF-XXX  
 Ref. Draw: SP401-1000-1137