

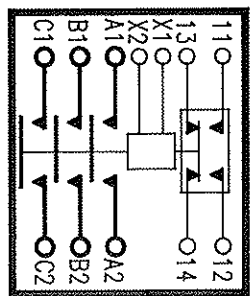


|           |                                  |          |          |      |
|-----------|----------------------------------|----------|----------|------|
| REV. 1    |                                  | BH-316A  |          | REV. |
| REVISIONS |                                  | RELEASED |          | DATE |
| REV.      | DESCRIPTION                      | DATE     | APPROVED |      |
|           | SEE SHEET 1 FOR REVISION DETAILS |          |          |      |

RELAY, 50 AMP, 3PST NO.  
SPDT AUX, TYPE 1, REPAIRABLE  
BOEING P/N 10-61445-21  
CONTACTS 28VDC OR 115VAC, 400HZ  
5 AMP AUX, COIL 28VDC  
PART NO BH-316A  
SERIAL NO [REDACTED]  
HARTMAN ELECTRICAL MFG  
MANSFIELD OHIO FSCM 74063

42594-001

NAME PLATE



42405-001

WIRING DIAGRAM

NOTES:

1. DIELECTRIC  
MAIN CONTACTS TO ALL MUTUALLY INSULATED POINTS 1500 V RMS  
AUX. CONTACTS TO ALL MUTUALLY INSULATED POINTS 1250 V RMS  
COIL TO ALL MUTUALLY INSULATED POINTS 1000 V RMS  
MAXIMUM LEAKAGE CURRENT FOR ALL DIELECTRIC TEST POINTS IS 1 MA.
2. MTG. HOLES ARE SPOT FACED TOP & BOTTOM
3. ITEMS 4 THRU 9 ARE SILVER PLATED
4. RELAY FINISH IS FLAT BLACK
5. ENCLOSURE IS ALUMINUM (TOP, BOTTOM, AND SIDES)
6. 10-32 TERMINALS ARE STAINLESS STEEL WITH COPPER CORE
7. MANUFACTURING DATE CODE TO BE YEAR, WEEK (YY,XX)
8. REV. "M" ENCOMPASSES USE OF CERAMIC AS SUBSTITUTE FOR GLASS SEAL ON 6/32 AUXILIARY AND COIL TERMINALS.EFFECTIVITY DATE 9224 AND ON,SERIAL NO. CK86551 AND HIGHER.
9. 6-32 TERMINALS ARE SILVER PLATED BERYLCO ALLOY 10HT OR 14HT.

10. RELAYS WITH AN "A" SUFFIX AFTER THE SERIAL NUMBER HAVE AN ADDITIONAL EVACUATION TUBE LOCATED AS SHOWN. THIS EVACUATION TUBE MUST NOT EXTEND PAST THE RELAY MOUNTING PLATE OR HAVE SHARP EDGES.

|                                                                         |        |      |  |                               |     |                                                     |                                          |
|-------------------------------------------------------------------------|--------|------|--|-------------------------------|-----|-----------------------------------------------------|------------------------------------------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON |        |      |  | REF.<br>BOEING<br>10-61445-21 |     | HARTMAN ELECTRICAL MANUFACTURING<br>MANSFIELD, OHIO |                                          |
| * .02                                                                   | * .005 | * 1* |  | DR BY                         | RJS | 94/6/15                                             | RELAY-50AMP, 115 VAC<br>400 HZ, OR 28VDC |
|                                                                         |        |      |  | CHK BY                        | RS  | 94/6/17                                             |                                          |
|                                                                         |        |      |  | ENGR                          | DM  | 94/6/22                                             |                                          |
|                                                                         |        |      |  | MFG                           |     |                                                     |                                          |
|                                                                         |        |      |  | RELEASE                       |     | SIZE                                                | CODE IDENT                               |
|                                                                         |        |      |  | CONTR NO.                     |     | C                                                   | 74063                                    |
|                                                                         |        |      |  | GOVT APPVL                    |     |                                                     | BH-316A                                  |
|                                                                         |        |      |  | SCALE NONE                    |     |                                                     | SHEET 2 OF 2                             |

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