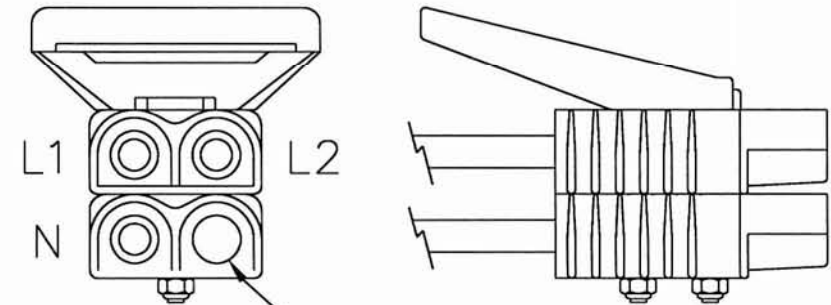


NOTE # 1  
SEE ASSEMBLY INSTRUCTIONS,  
PAGE 2 OF 2 FOR WIRE  
SIZE RECOMMENDATIONS.

NOTE, FREEZE LAYERS 10,11,12 & NOTE  
THAW LAYER ALT-BORD PLOT 1=1



THIS CONNECTOR CAVITY MUST  
HAVE A CONTACT INSERTED, EVEN  
THOUGH THERE ISN'T A WIRE  
INSTALLED FOR SINGLE PHASE  
APPLICATIONS.

|      |                    |       |                    |
|------|--------------------|-------|--------------------|
| 10   | EE23325            | 4     | CONTACT-1/0(350A)  |
| 9    | SEE NOTE 2, PAGE 2 | 3     | BUSHING OPTIONAL   |
| 8    | BP-10103-101       | 1     | INSTRUCTION SHEETS |
| 7    | BS6                | 1     | POLY BAG           |
| 6    | A-47517-000        | 2     | NYLOCK 1/4-20      |
| 5    | 458-000            | 4     | HN 5/16-18         |
| 4    | 638-000            | 1     | HN 1/4-20          |
| 3    | 61993-001          | 2     | RHMS 1/4-20 x 3    |
| 2    | EE-2329            | 1     | HANDLE             |
| 1    | EE-2331            | 2     | HOUSING            |
| ITEM | PART NO            | QUAN. | DESCRIPTION        |

|  |  |               |  |                                |  |                    |  |
|--|--|---------------|--|--------------------------------|--|--------------------|--|
| UNLESS OTHERWISE SPECIFIED   |  | MACHINED      |  | ALL DIMENSIONS GIVEN IN INCHES |  |                    |  |
| FRACTIONS ±  |  | ANGULAR       |  | SURFACE                        |  | WORK TO DIMENSIONS |  |
| 1. PLACE DEC. ± .1   |  | ± 1.5°        |  | TEXTURE                        |  | - DO NOT SCALE -   |  |
| 2. PLACE DEC. ± .015   |  |               |  |                                |  |                    |  |
| 3. PLACE DEC. ± .005   |  |               |  |                                |  |                    |  |
| DRAWN BY   |  | DATE          |  | CH'KD BY                       |  | DATE               |  |
| DW   |  | 10-12-99      |  |                                |  | APP'D BY           |  |
| MATERIAL:  |  |               |  |                                |  | DATE               |  |
| FINISH   |  |               |  | TITLE                          |  | SCALE              |  |
| ASS'Y  |  | 300189-1      |  | BAG, PARTS                     |  | 1=3                |  |
| MODEL  |  | 80/50 PTC & M |  | PAGE 1 OF 2                    |  |                    |  |
| THIS DRAWING CONTAINS PROPRIETARY INFORMATION BELONGING TO WINPOWER. UNAUTHORIZED USE IS PROHIBITED. |  | WINPOWER      |  | PART NO.                       |  |                    |  |
|  |  |               |  | (A)BP-10103                    |  |                    |  |

|                 |            |             |      |     |       |
|-----------------|------------|-------------|------|-----|-------|
| A               | ---        | ORIGINAL    | ---  | --- | ---   |
| ISSUE           | E.C.O. NO. | DESCRIPTION | DATE | BY  | APPR. |
| REVISION RECORD |            |             |      |     |       |

### ASSEMBLY INSTRUCTIONS

1. READ INSTRUCTIONS COMPLETELY PRIOR TO ASSEMBLING THE CONNECTOR.
2. VERIFY THAT ALL ITEMS AND THE CORRECT QUANTITIES ARE IN THE PACKAGE BY CHECKING OFF EACH ITEM AGAINST THE BILL OF MATERIAL SHOWN ON PAGE ONE.
3. INSTALL CONTACTS (ITEM #10) W/SLEEVE (ITEM #9 OPTIONAL-SEE NOTE 2) ON THE ELECTRICAL CONDUCTOR (SEE THE CONDUCTOR RECOMMENDATIONS BELOW) BY SOLDERING, USING A GOOD GRADE OF RESIN CORE SOLDER OR AN APPROPRIATE COMPRESSION CRIMPER AS RECOMMENDED BY WINPOWER.

WARNING: SOLDER ONLY COPPER CONDUCTORS AND NEVER USE ACID CORE SOLDER!

4. ASSEMBLE ITEMS 1,2,3,4,5,&6 EXACTLY AS PICTURED ON PAGE ONE. THIS MAKES THE PORTABLE PLUG ASSEMBLY WITHOUT THE CONDUCTORS.
5. INSERT THE CONDUCTORS WITH THE INSTALLED CONTACTS INTO THE PROPER CAVITIES AS SHOWN ON SHEET ONE. NOTE THAT ONLY THREE OF THE CAVITIES HAVE CONDUCTORS WITH CONTACTS, WHILE THE FOURTH CAVITY HAS ONLY A CONTACT WITHOUT AN ATTACHED CONDUCTOR.

### LEAD WIRE RECOMMENDATIONS

| LEAD WIRE TYPE | MODEL 80/50 PTGD & M |
|----------------|----------------------|
| RUBBER         | 1/0 AWG              |
| NEOPRENE       | # 1 AWG SEE NOTE 2   |
| VINYL          | # 2 AWG SEE NOTE 2   |
| HYPALON        | # 2 AWG SEE NOTE 2   |
| SILICONE       | # 2 AWG SEE NOTE 2   |

### NOTES:

- 1 - SIZES ARE BASED UPON A MAXIMUM LEAD LENGTH OF TEN FEET, IN FREE AIR AND A MAXIMUM AMBIENT TEMPERATURE OF 30°C(86°F). GREATER LENGTHS OR HIGHER TEMPERATURES MUST BE REVIEWED FOR VOLTAGE DROP AND REDUCED AMPACITY. THIS MUST BE DONE PER RECOMMENDATIONS OF THE NATIONAL ELECTRIC CODE, LOCAL CODES OR REGULATING BODIES THAT ARE IN AFFECT FOR THE INSTALLATION.
- 2 - IF ADDITIONAL BUSHING IS REQUIRED, WINPOWER PART NO. #1 TO #1/0 BUSHING P/N EE23301, # 2 TO #1/0 BUSHING P/N EE23302

### CRIMPING TOOLS:

1. ANDERSON POWER PRODUCTS
2. ETC MODEL HHS HYDRAULIC CRIMPER
3. ITT BLACKBURN NO. 1640

INSTRUCTION SHEET  
PAGE 2 of 2

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