



# UL 1686

## **STANDARD FOR SAFETY**

### Pin and Sleeve Configurations

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UL Standard for Safety for Pin and Sleeve Configurations, UL 1686

Fourth Edition, Dated August 17, 2012

### **Summary of Topics**

***This new edition of ANSI/UL 1686 incorporates updated C2 configuration drawings to add the 6 o'clock dimensional configurations for 20, 30, 60, and 100 Ampere receptacle, connector, plug, and inlet devices.***

The revised requirements are substantially in accordance with Proposal(s) on this subject dated June 1, 2012.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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AUGUST 17, 2012



ANSI/UL 1686-2012

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UL 1686

**Standard for Pin and Sleeve Configurations**

First Edition – December, 1993

Second Edition – July, 1998

Third Edition – January, 2007

**Fourth Edition**

**August 17, 2012**

This ANSI/UL Standard for Safety consists of the Fourth edition.

The most recent designation of ANSI/UL 1686 as an American National Standard (ANSI) occurred on August 17, 2012. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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## CONFIGURATIONS

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## INTRODUCTION

### 1 Scope

1.1 These configurations cover attachment plugs, receptacles, and cord connectors, for use in accordance with the National Electrical Code (NEC), ANSI/NFPA 70.

1.2 These configurations do not cover devices rated at more than 800 A or for more than 600 V.

### 2 General

2.1 The information given in 2.1(a) – 2.1(h) applies to each configuration in Sections C1 – C5.

- a) All dimensions are in inches.
- b) Decimal dimensions without tolerances shall be subject to a  $\pm 0.005$  inch tolerance.
- c) Angular dimensions without tolerances shall be subject to a  $\pm 1/2$  degree tolerance.
- d) Where two values are given for the same dimension, the larger is the maximum value and the smaller the minimum value.
- e) Leading edges of pins and sleeves shall be free of burrs and sharp edges.
- f) A contour, face dimension, yoke construction, or mounting ears and dimensions for any receptacle construction that is shown depicts an acceptable construction; other constructions may also be acceptable if tested and found to be equivalent.
- g) The relationship of recessing of contacts, or internal construction in a receptacle that is shown depicts an acceptable construction; other constructions may also be acceptable if tested and found to be equivalent.
- h) Terminal identification shall comply with the following:
  - 1) The grounded terminal is to be identified in the Figures by the letter "W".
  - 2) The grounding terminal is to be identified in the Figures by the letter "G".

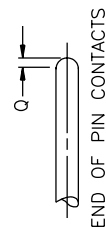
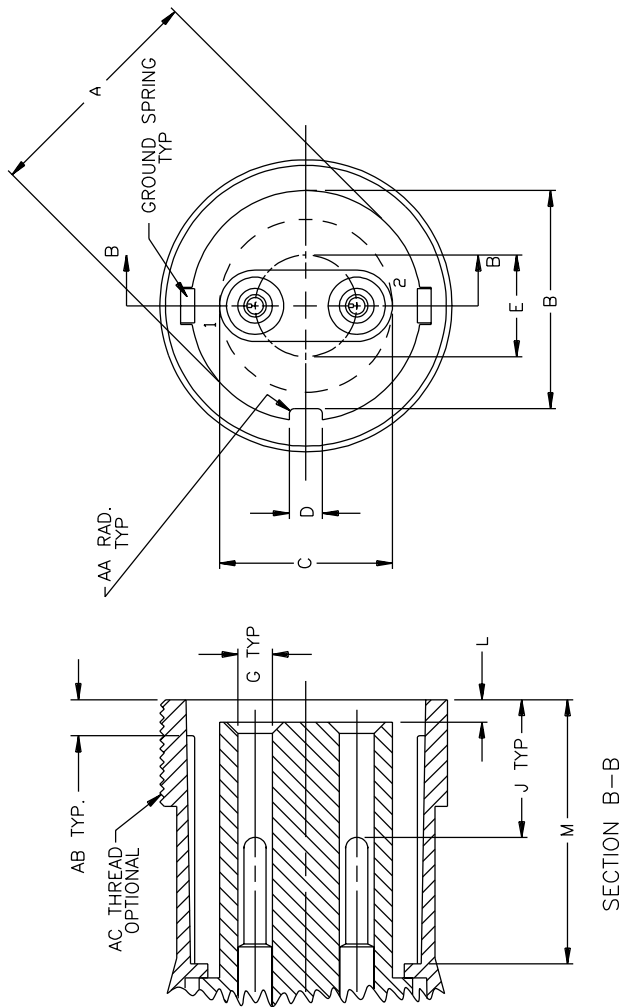
## CONFIGURATIONS

### C1 Configurations

#### NOTES

1. Q is the allowable distance measured from the male contact tip to a plane perpendicular to the longitudinal axis where initial electrical engagement with the sleeve contact takes place.
2. The design of the pins shall provide a means of maintaining electrical contact force to their respective sleeve contacts.
3. The design of the ground springs shall provide a means of maintaining electrical contact with the plug sleeve when the plug is mated with the receptacle.
4. Connectors shall be rated for use in ordinary locations only.
5. Receptacles may be rated for use in Hazardous Locations.
6. Plugs shall be rated for use in Hazardous Locations.
7. Inlets shall be rated for use in ordinary locations only.

**Figure C1.1**  
**Receptacle and connectors**



| STYLE | TYPE | AMP RATING | A (φ)                   | B                       | C (φ)                   | D                    | E (φ)                   | G (φ)                | J                       | L                    | M         | Q                    | AA                   | AB                    | AC                |
|-------|------|------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|-----------|----------------------|----------------------|-----------------------|-------------------|
| 1     | 2P   | 30         | 1.929<br>1.865<br>1.750 | 1.818<br>1.750<br>1.645 | 1.440<br>1.440<br>1.145 | 1.98<br>1.48<br>1.48 | .568<br>.557<br>.557    | .266<br>.258<br>.258 | 1.115<br>1.005<br>1.005 | .275<br>.225<br>.225 | 1.734 MIN | .120<br>.080<br>.080 | .104<br>.026<br>.026 | .750<br>.250<br>.250  | 2 9/16-14 UNS-2B  |
| 1     | 2P   | 60         | 2.359<br>2.240<br>2.240 | 2.219<br>2.116<br>2.116 | 1.600<br>1.515<br>1.515 | .385<br>.314<br>.314 | .855<br>.830<br>.830    | .392<br>.381<br>.381 | 1.609<br>1.465<br>1.465 | .359<br>.214<br>.214 | 2.891 MIN | .140<br>.100<br>.100 | .130<br>.045<br>.045 | 1.500<br>.250<br>.250 | 2 15/16-14 UNS-2B |
| 1     | 2P   | 100        | 2.496<br>2.496<br>2.496 | 2.431<br>2.373<br>2.373 | 1.875<br>1.875<br>1.875 | .362<br>.362<br>.362 | 1.036<br>1.036<br>1.036 | .447<br>.447<br>.447 | 1.907<br>1.907<br>1.907 | .300<br>.203<br>.203 | 3.547 MIN | .135<br>.125<br>.125 | .039<br>.039<br>.039 | 1.200<br>.250<br>.250 | 3 3/16-14 UNS-2B  |

F, H, I, K, N-P, R-Z NOT USED

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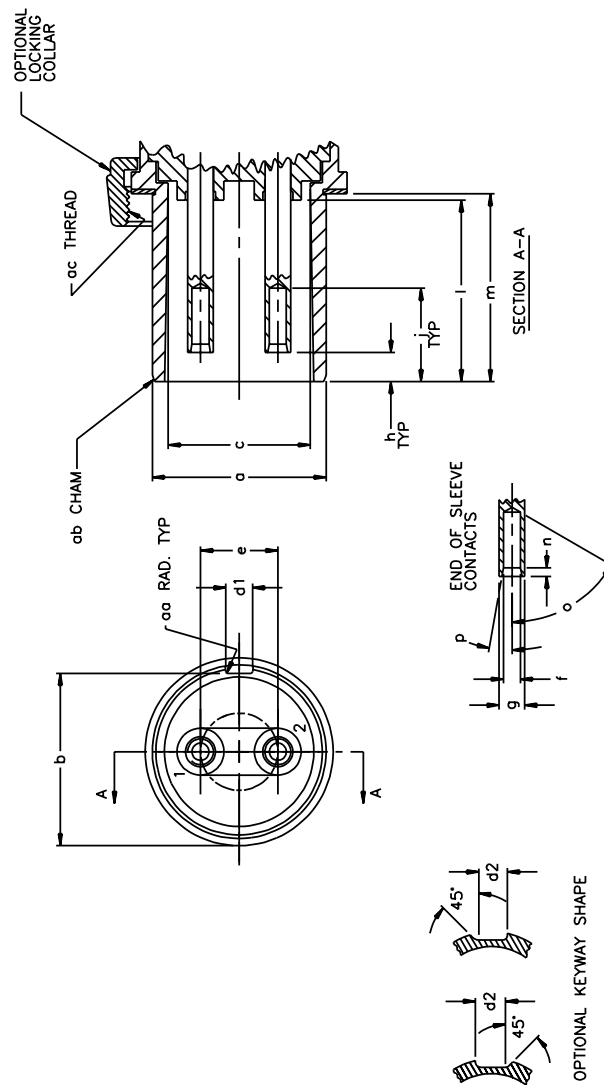
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Figure C1.2  
Plugs and Inlets



| STYLE | TYPE | AMP RATING | a (ø)          | b              | c (ø)          | d1           | d2           | e (ø)          | f (ø)        | g (ø)        | h            | j              | l                      | m              | n            | o            | p           | aa           | ab                     | ac                |
|-------|------|------------|----------------|----------------|----------------|--------------|--------------|----------------|--------------|--------------|--------------|----------------|------------------------|----------------|--------------|--------------|-------------|--------------|------------------------|-------------------|
| 1     | 2P   | 30         | 1.865<br>1.848 | 1.770<br>1.745 | 1.540<br>1.460 | 2.20<br>1.99 | 2.05<br>1.95 | .568<br>.557   | .191<br>.186 | .253<br>.247 | .095<br>.095 | .922<br>.640   | 1.435 MIN<br>1.435 MIN | 1.655<br>1.621 | .021<br>.000 | .605<br>.585 | .455<br>.00 | .107<br>.01  | .05 X 20°<br>.10 X 40° | 2 9/16-14 UNS-2B  |
| 1     | 2P   | 60         | 2.239<br>2.220 | 2.114<br>2.079 | 1.890<br>1.670 | .400<br>.383 | .360<br>.340 | .855<br>.830   | .253<br>.249 | .378<br>.365 | .330<br>.383 | 1.415<br>1.300 | 2.615 MIN<br>2.615 MIN | 2.765<br>2.672 | .130<br>.058 | .605<br>.585 | .155<br>.00 | .100<br>.020 | .05 X 20°<br>.10 X 40° | 2 15/16-14 UNS-2B |
| 1     | 2P   | 100        | 2.485<br>2.460 | 2.365<br>2.338 | 2.110<br>2.030 | .450<br>.383 | .360<br>.340 | 1.036<br>1.023 | .315<br>.31  | .442<br>.432 | .395<br>.393 | 1.512<br>1.312 | 3.305 MIN<br>3.305 MIN | 3.485<br>3.422 | .161<br>.058 | .605<br>.585 | .135<br>.00 | .110<br>.026 | .05 X 20°<br>.10 X 40° | 3 3/16-14 UNS-2B  |

SM803

i, k, q-z NOT USED

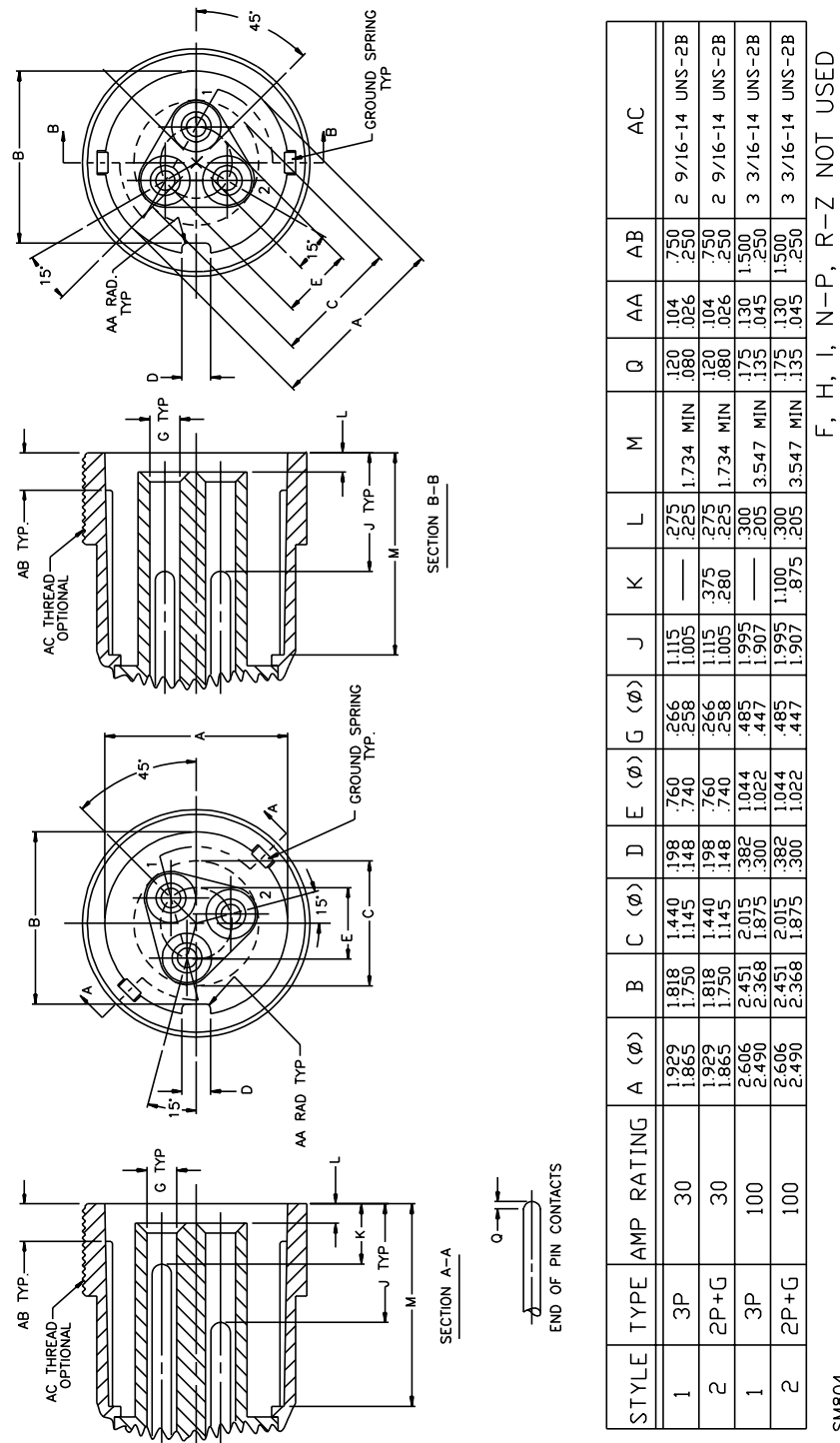
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**Figure C1.3**  
**Receptacles and connectors**



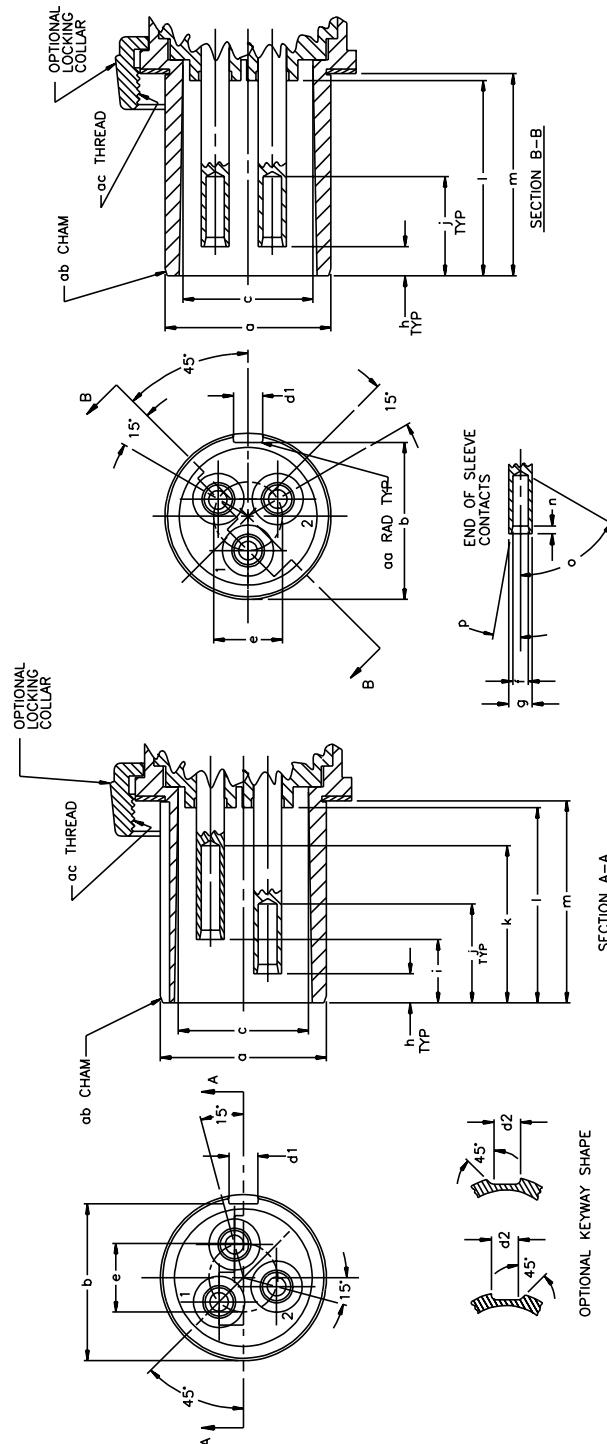
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Figure C1.4  
Plugs and inlets



| STYLE | TYPE | AMP RATING | a (ø)                            | b                                | c (ø)                            | d1                           | d2                           | e (ø)                        | f (ø)                        | g (ø)                    | h                                | i                        | j                                | k                | l                                | m                                | n                            | o                            | p                            | aa                           | ab                                               | ac                                   |
|-------|------|------------|----------------------------------|----------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------|----------------------------------|--------------------------|----------------------------------|------------------|----------------------------------|----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--------------------------------------------------|--------------------------------------|
| 1     | 3P   | 30         | 1.865<br>1.868<br>1.870<br>1.872 | 1.770<br>1.740<br>1.740<br>1.740 | 1.540<br>1.440<br>1.440<br>1.440 | 2.00<br>1.99<br>1.99<br>1.99 | 2.05<br>2.05<br>2.05<br>2.05 | 740<br>740<br>740<br>740     | 1.91<br>1.86<br>1.86<br>1.86 | 353<br>347<br>347<br>347 | 1.095<br>1.095<br>1.095<br>1.095 | —<br>—<br>—<br>—         | 922<br>922<br>922<br>922         | —<br>—<br>—<br>— | 1.435<br>1.435<br>1.435<br>1.435 | 1.625<br>1.625<br>1.625<br>1.625 | 0.21<br>0.21<br>0.21<br>0.21 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 2 9/16-14<br>2 9/16-14<br>2 9/16-14<br>2 9/16-14 | UNS-2B<br>UNS-2B<br>UNS-2B<br>UNS-2B |
| 2     | 2P+G | 30         | 1.865<br>1.868<br>1.870<br>1.872 | 1.770<br>1.740<br>1.740<br>1.740 | 1.540<br>1.440<br>1.440<br>1.440 | 2.00<br>1.99<br>1.99<br>1.99 | 2.05<br>2.05<br>2.05<br>2.05 | 740<br>740<br>740<br>740     | 1.91<br>1.86<br>1.86<br>1.86 | 353<br>347<br>347<br>347 | 1.095<br>1.095<br>1.095<br>1.095 | —<br>—<br>—<br>—         | 922<br>922<br>922<br>922         | —<br>—<br>—<br>— | 1.435<br>1.435<br>1.435<br>1.435 | 1.625<br>1.625<br>1.625<br>1.625 | 0.21<br>0.21<br>0.21<br>0.21 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 2 9/16-14<br>2 9/16-14<br>2 9/16-14<br>2 9/16-14 | UNS-2B<br>UNS-2B<br>UNS-2B<br>UNS-2B |
| 1     | 3P   | 100        | 2.485<br>2.485<br>2.485<br>2.485 | 2.365<br>2.365<br>2.365<br>2.365 | 2.110<br>2.030<br>2.030<br>2.030 | 4.20<br>3.85<br>3.85<br>3.85 | 3.60<br>3.60<br>3.60<br>3.60 | 1044<br>1022<br>1022<br>1022 | 315<br>311<br>311<br>311     | 442<br>432<br>432<br>432 | 495<br>495<br>495<br>495         | 985<br>985<br>985<br>985 | 1.512<br>1.512<br>1.512<br>1.512 | —<br>—<br>—<br>— | 3.305<br>3.305<br>3.305<br>3.305 | 3.485<br>3.485<br>3.485<br>3.485 | 0.58<br>0.58<br>0.58<br>0.58 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 3 3/16-14<br>3 3/16-14<br>3 3/16-14<br>3 3/16-14 | UNS-2B<br>UNS-2B<br>UNS-2B<br>UNS-2B |
| 2     | 2P+G | 100        | 2.485<br>2.485<br>2.485<br>2.485 | 2.365<br>2.365<br>2.365<br>2.365 | 2.110<br>2.030<br>2.030<br>2.030 | 4.20<br>3.85<br>3.85<br>3.85 | 3.60<br>3.60<br>3.60<br>3.60 | 1044<br>1022<br>1022<br>1022 | 315<br>311<br>311<br>311     | 442<br>432<br>432<br>432 | 495<br>495<br>495<br>495         | 985<br>985<br>985<br>985 | 1.512<br>1.512<br>1.512<br>1.512 | —<br>—<br>—<br>— | 3.305<br>3.305<br>3.305<br>3.305 | 3.485<br>3.485<br>3.485<br>3.485 | 0.58<br>0.58<br>0.58<br>0.58 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 0.05<br>0.05<br>0.05<br>0.05 | 3 3/16-14<br>3 3/16-14<br>3 3/16-14<br>3 3/16-14 | UNS-2B<br>UNS-2B<br>UNS-2B<br>UNS-2B |

q-z NOT USED

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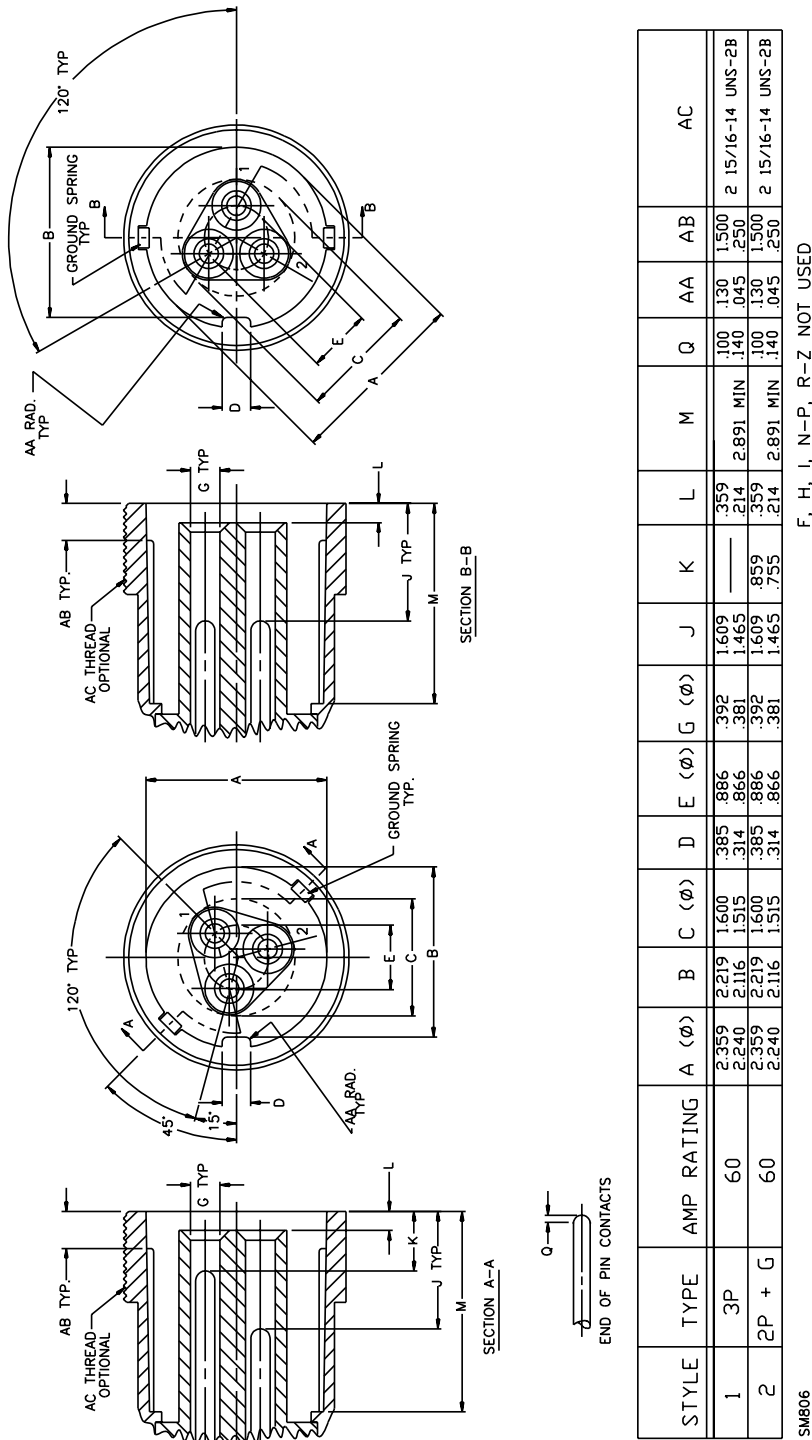
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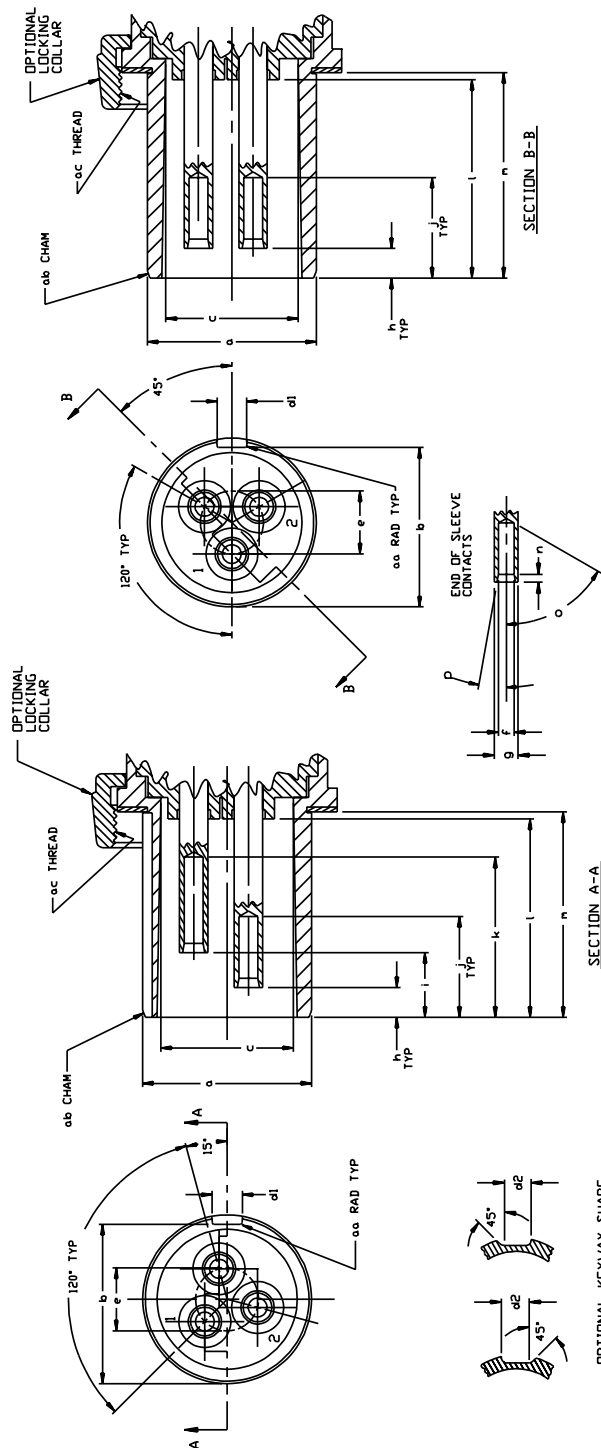
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Figure C1.5  
Receptacles and connectors



See notes 1, 2, 3, 4 and 5.

Figure C1.6  
Plugs and inlets



| STYLE | TYPE | AMP RATING | a (ø)                   | b                       | c (ø)                   | d1                   | d2                   | e (ø)             | f (ø)             | g (ø)             | h                 | i                       | j                       | k                       | l                                   | m                       | n                    | o                    | p                   | aa                   | ab                                  | ac                                                          |
|-------|------|------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------------------|-------------------------|----------------------|----------------------|---------------------|----------------------|-------------------------------------|-------------------------------------------------------------|
| 1     | 3P   | 60         | 2.239<br>2.220<br>2.220 | 2.114<br>2.079<br>2.114 | 1.890<br>1.870<br>1.890 | 4.00<br>3.85<br>4.00 | 3.60<br>3.40<br>3.60 | 886<br>866<br>886 | 253<br>249<br>253 | 378<br>365<br>378 | 530<br>530<br>530 | 1.415<br>1.300<br>1.415 | 1.415<br>1.300<br>1.415 | 2.276<br>2.276<br>2.276 | 2.615 MIN<br>2.615 MIN<br>2.615 MIN | 2.765<br>2.672<br>2.765 | 1.30<br>0.98<br>1.30 | 60.5<br>58.5<br>60.5 | 15.5<br>8.0<br>15.5 | .100<br>.020<br>.100 | .05 X 20°<br>.10 X 40°<br>.05 X 20° | 2 15/16-14 UNS-2B<br>2 15/16-14 UNS-2B<br>2 15/16-14 UNS-2B |
| 2     | 2P+G | 60         | 2.239<br>2.220<br>2.220 | 2.114<br>2.079<br>2.114 | 1.890<br>1.870<br>1.890 | 4.00<br>3.85<br>4.00 | 3.60<br>3.40<br>3.60 | 886<br>866<br>886 | 253<br>249<br>253 | 378<br>365<br>378 | 530<br>530<br>530 | 1.415<br>1.300<br>1.415 | 1.415<br>1.300<br>1.415 | 2.276<br>2.276<br>2.276 | 2.615 MIN<br>2.615 MIN<br>2.615 MIN | 2.765<br>2.672<br>2.765 | 1.30<br>0.98<br>1.30 | 60.5<br>58.5<br>60.5 | 15.5<br>8.0<br>15.5 | .100<br>.020<br>.100 | .05 X 20°<br>.10 X 40°<br>.05 X 20° | 2 15/16-14 UNS-2B<br>2 15/16-14 UNS-2B<br>2 15/16-14 UNS-2B |

Q-Z NOT USED

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See notes 6 and 7.

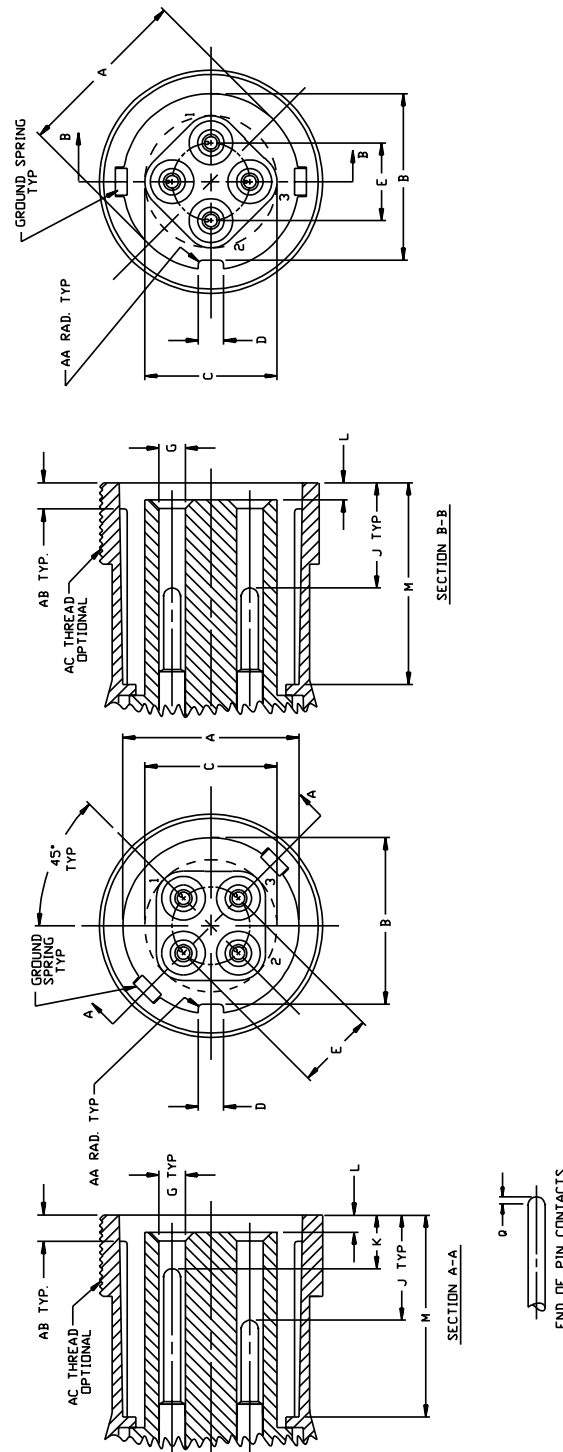
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Figure C1.7  
Receptacles and connectors



| STYLE | TYPE   | AMP RATING | A (ø)          | B              | C (ø)          | D            | E (ø)          | G (ø)        | J              | K            | L            | M         | Q            | AA           | AB            | AC               |
|-------|--------|------------|----------------|----------------|----------------|--------------|----------------|--------------|----------------|--------------|--------------|-----------|--------------|--------------|---------------|------------------|
| 1     | 4P     | 30         | 1.929<br>1.865 | 1.818<br>1.750 | 1.440<br>1.145 | .198<br>.148 | .755<br>.745   | .266<br>.258 | 1.115<br>1.005 | —            | .275<br>.225 | 1.734 MIN | .120<br>.080 | .104<br>.026 | .750<br>.250  | 2 9/16-14 UNS-2B |
| 2     | 3P + G | 30         | 1.929<br>1.865 | 1.818<br>1.750 | 1.440<br>1.145 | .198<br>.148 | .755<br>.745   | .266<br>.258 | 1.115<br>1.005 | .375<br>.280 | .275<br>.225 | 1.734 MIN | .120<br>.080 | .104<br>.026 | .750<br>.250  | 2 9/16-14 UNS-2B |
| 1     | 4P     | 60         | 2.643<br>2.560 | 2.505<br>2.425 | 1.976<br>1.854 | .385<br>.314 | 1.136<br>1.120 | .392<br>.381 | 1.609<br>1.465 | —            | .359<br>.214 | 2.891 MIN | .140<br>.100 | .130<br>.045 | 1.500<br>.250 | 3 1/4-14 UNS-2B  |
| 2     | 3P + G | 60         | 2.643<br>2.560 | 2.505<br>2.425 | 1.976<br>1.854 | .385<br>.314 | 1.136<br>1.120 | .392<br>.381 | 1.609<br>1.465 | .959<br>.755 | .359<br>.214 | 2.891 MIN | .140<br>.100 | .130<br>.045 | 1.500<br>.250 | 3 1/4-14 UNS-2B  |

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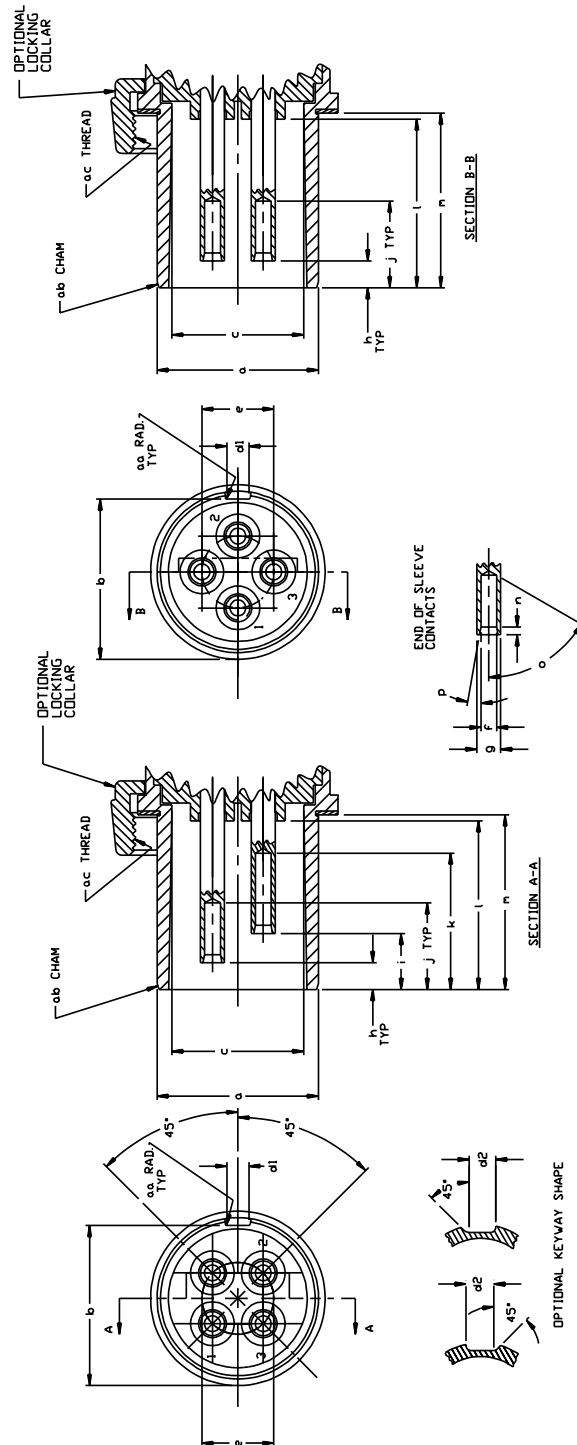
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Figure C1.8  
Plugs and inlets

| STYLE | TYPE   | AMP RATING | a (Ø)          | b              | c (Ø)          | d1           | d2           | e (Ø)          | f (Ø)        | g (Ø)        | h            | i            | j              | k              | l         | m              | n            | o            | p             | q           | aa                     | ab | ac             |
|-------|--------|------------|----------------|----------------|----------------|--------------|--------------|----------------|--------------|--------------|--------------|--------------|----------------|----------------|-----------|----------------|--------------|--------------|---------------|-------------|------------------------|----|----------------|
| 1     | 4P     | 30         | 1.865<br>1.848 | 1.770<br>1.745 | 1.540<br>1.460 | .320<br>.199 | .205<br>.195 | .755<br>.745   | .191<br>.186 | .253<br>.247 | .095<br>.005 | —            | .922<br>.640   | —              | 1.435 MIN | 1.655<br>1.621 | .021<br>.000 | .605<br>.585 | 45.5°<br>0.0° | 107<br>.011 | .05 X 20°<br>.10 X 40° | 2  | 9/16-14 UNS-2B |
| 2     | 3P + G | 30         | 1.865<br>1.848 | 1.770<br>1.745 | 1.540<br>1.460 | .320<br>.199 | .205<br>.195 | .755<br>.745   | .191<br>.186 | .253<br>.247 | .095<br>.005 | .445<br>.355 | .922<br>.640   | 1.590<br>1.435 | 1.435 MIN | 1.655<br>1.621 | .021<br>.000 | .605<br>.585 | 45.5°<br>0.0° | 107<br>.011 | .05 X 20°<br>.10 X 40° | 2  | 9/16-14 UNS-2B |
| 1     | 4P     | 60         | 2.352<br>2.310 | 2.423<br>2.400 | 2.172<br>1.982 | .420<br>.385 | .360<br>.340 | 1.136<br>1.120 | .253<br>.249 | .378<br>.363 | .530<br>.383 | —            | 1.415<br>1.300 | —              | 2.615 MIN | 2.765<br>2.672 | .130<br>.058 | .605<br>.585 | 15.5°<br>8.0° | 100<br>.020 | .05 X 20°<br>.10 X 40° | 3  | 1/4-14 UNS-2B  |
| 2     | 3P + G | 60         | 2.352<br>2.310 | 2.423<br>2.400 | 2.172<br>1.982 | .420<br>.385 | .360<br>.340 | 1.136<br>1.120 | .253<br>.249 | .378<br>.363 | .530<br>.383 | .977<br>.843 | 1.300<br>1.300 | 2.276<br>2.050 | 2.615 MIN | 2.765<br>2.672 | .130<br>.058 | .605<br>.585 | 15.5°<br>8.0° | 100<br>.020 | .05 X 20°<br>.10 X 40° | 3  | 1/4-14 UNS-2B  |

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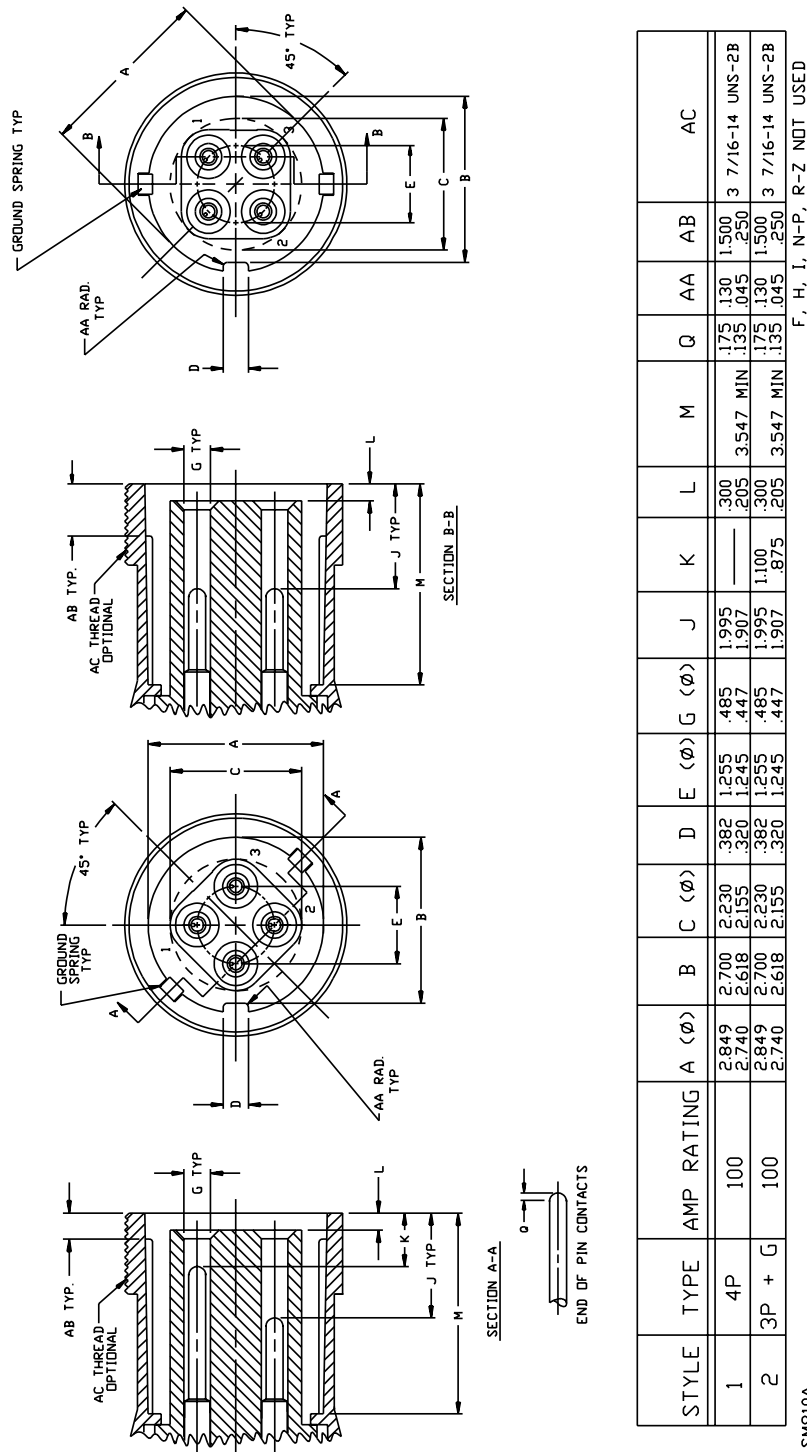
See notes 6 and 7.

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**Figure C1.9**  
**Receptacles and connectors**



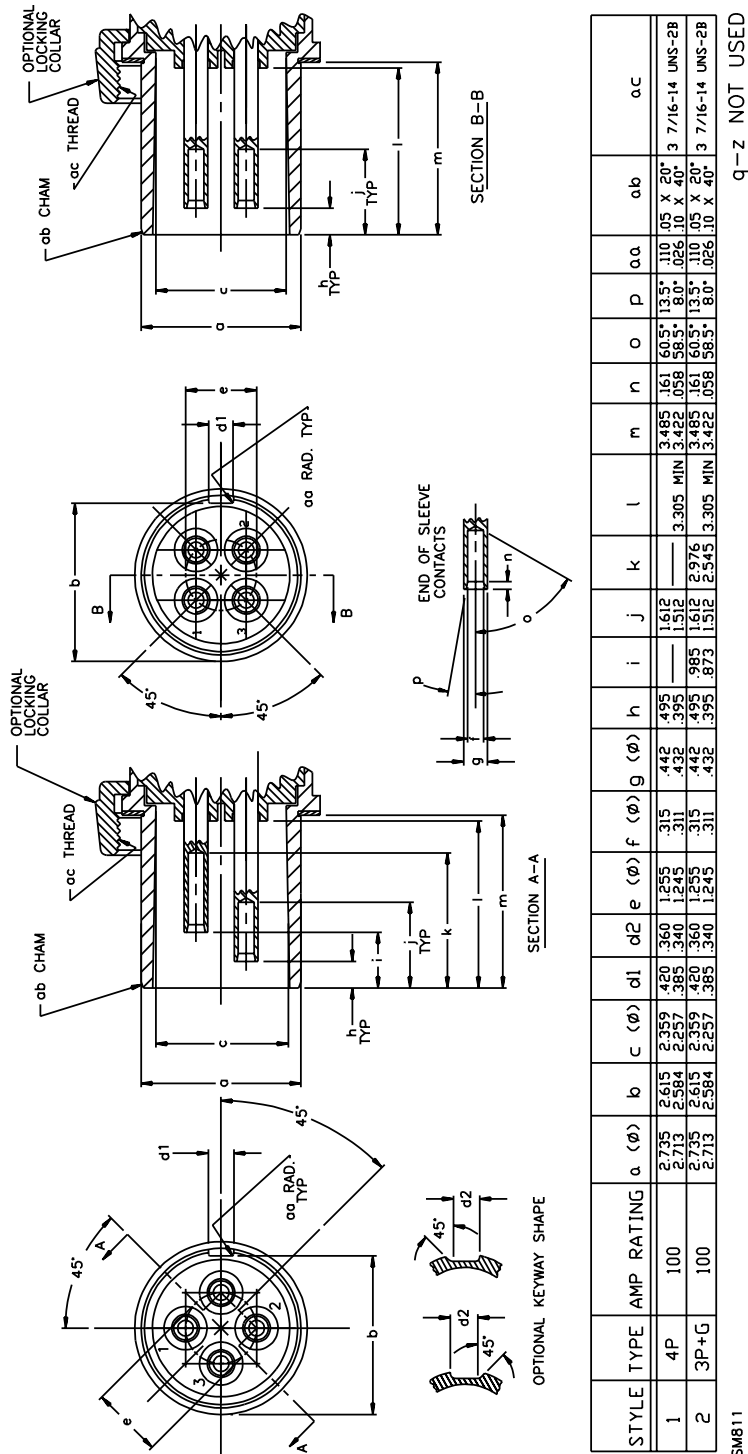
See notes 1, 2, 3, 4 and 5.

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Figure C1.10  
Plugs and inlets



See note 6 and 7.

## C2 Configurations

C2.1 Figures C2.1– C2.38 illustrate the configurations for plugs and inlets and for receptacles and connectors of single-rated Pin and Sleeve devices of the IEC 309-2 type, Series II. The dimensions shown define the features which enable proper mating and mating of devices only with the same service, voltage, and amperage. The plug (or inlet) shroud shall have an external key which mates with a keyway in the receptacle (or connector) cavity. The key/keyway is shown at the bottom of each configuration. The ground contact is located from this point in 30° increments to provide discrete and predetermined contact patterns. The position of the female ground contact, when viewed with the keyway at the 6 o'clock position, is referred to as the "clock" position. There is a designated clock position for each voltage and service.

These drawings do not show locking, sealing cord grip, or envelope clearance dimensions.

a) The main view is shown with the grounding tube or pin at the 6 o'clock position for reference only. See the rating configuration for the required positions.

b) Holes or recesses in the frontal face, if any, other than those for contact tubes, shall not have a depth of more than 0.394 inch (10 mm). See below.

c) The dimension described in (b) shall not exceed the specified limit at any point over the entire depth, and shall be within the specified limits over a minimum depth of 0.236 inch (6 mm) with the exception of a maximum of:

- 1) three cut-outs for receptacles or outlets provided with 2 poles plus ground,
- 2) four cut-outs for receptacles or outlets provided with three poles plus ground, or
- 3) five cut-outs for devices provided with three poles plus neutral plus ground, spaced around the circumference.

There shall not be more than one cut-out between adjacent holes for the contact tubes and each shall not have a width exceeding 0.590 inch (15 mm) including any radii. Holes deeper than 0.394 inch (10 mm) in the area are allowed,

d) Pin detail dimensions refer to pin diameters. The contact tubes provide contact pressure and need not be cylindrical.

e) The bevelling of the contact tubes may be rounded off toward the internal cylindrical surface within a distance of 1-1/2 times the maximum dimension.

f) Collars shall be provided for plugs or inlet devices having rated operating voltages exceeding 500 V.

g) The ends of pins may be rounded off toward the external cylindrical surface within a distance of 1-1/2 times the maximum dimension.

h) "⏏" denotes the equipment ground contact. The terminal shall be identified by the word "green", the color green, or both. The terminal may additionally be marked with the earth symbol ("⏏").

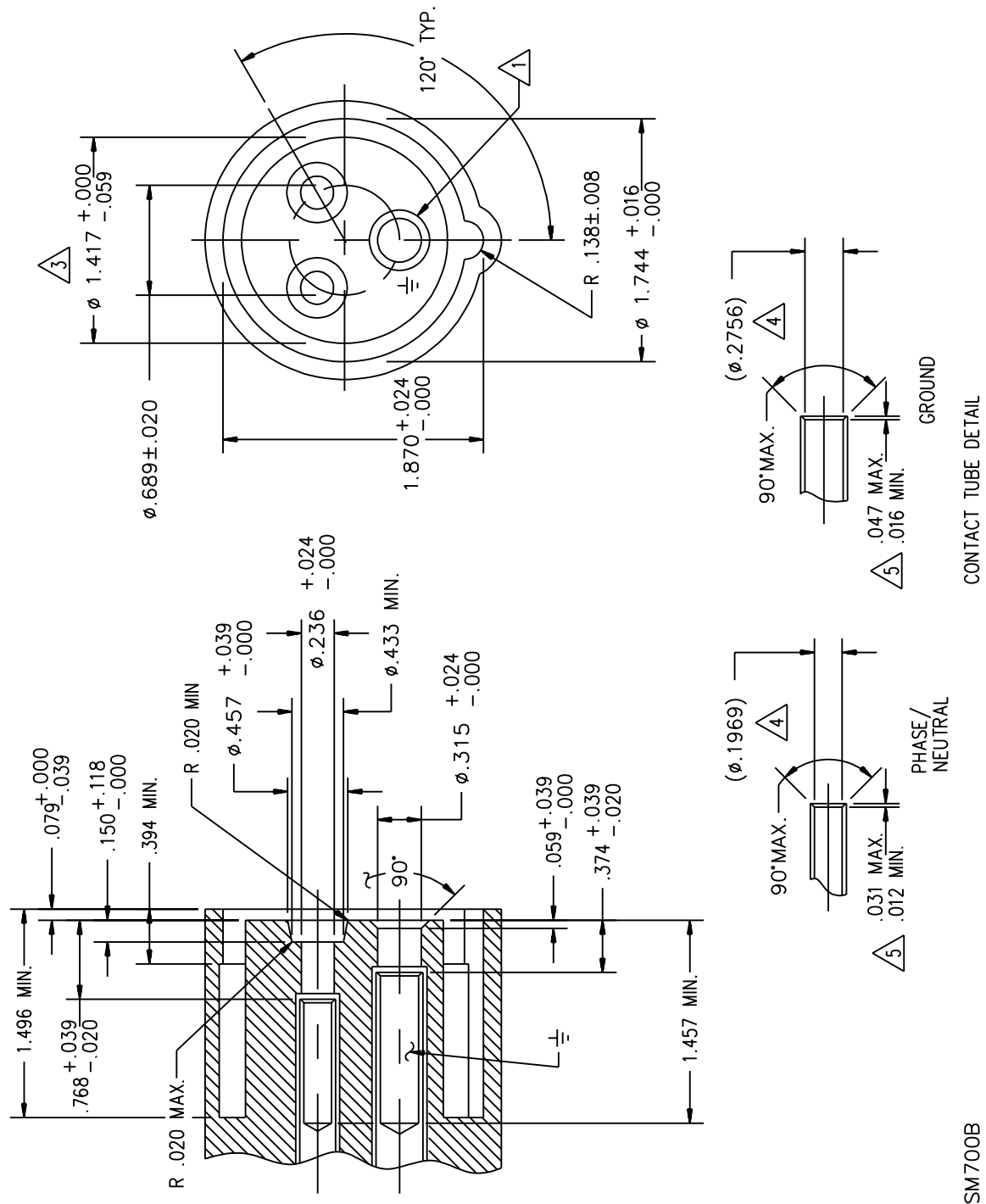
- i) N denotes the grounded line conductor contact. The terminal shall be identified by the word "white", the color white, or both. The terminal may additionally be marked with the letter "N".

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**Figure C2.1**  
**Receptacle or connector**  
 20 Ampere, 3 wire without pilot



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Figure C2.1 (cont.)

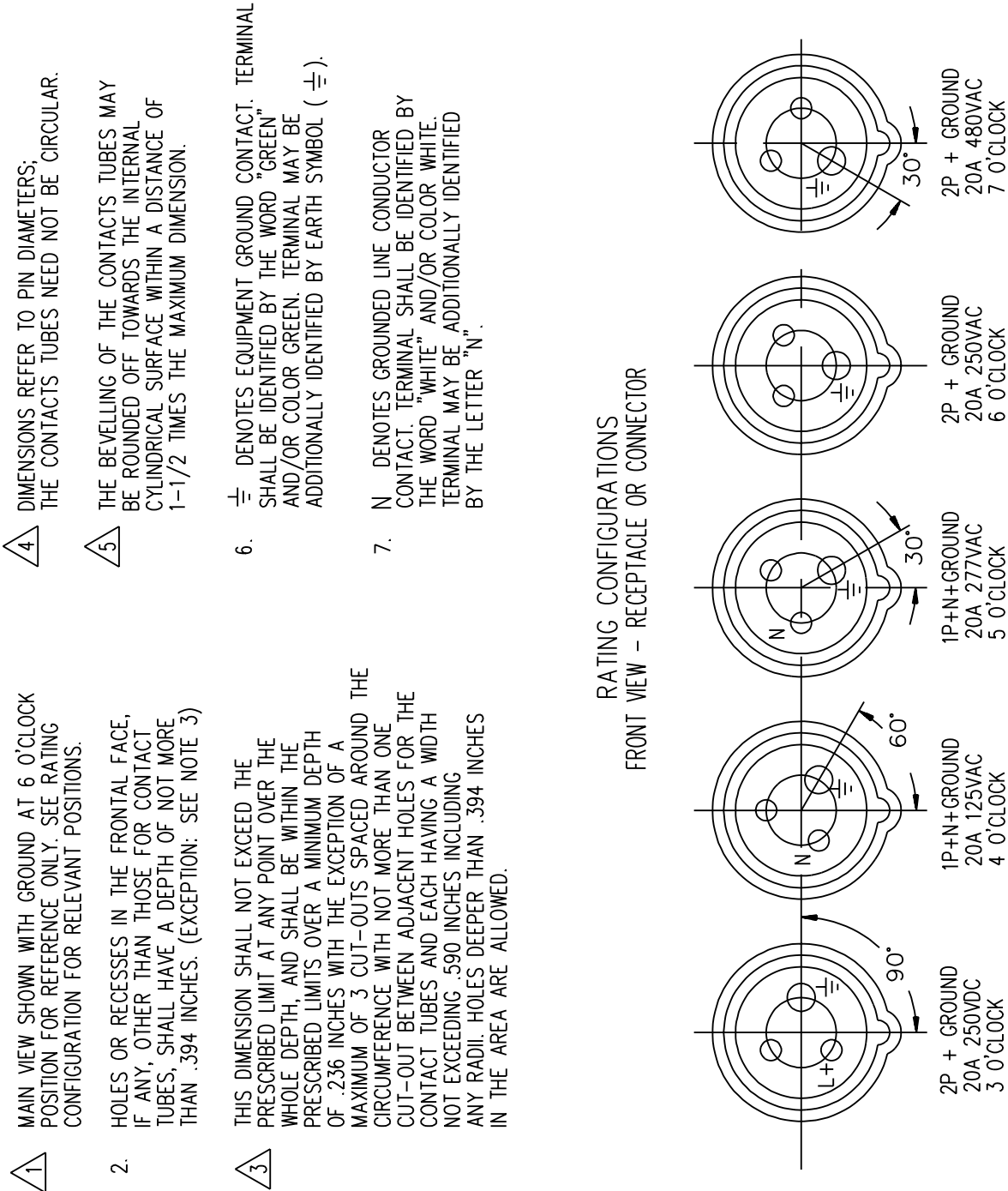
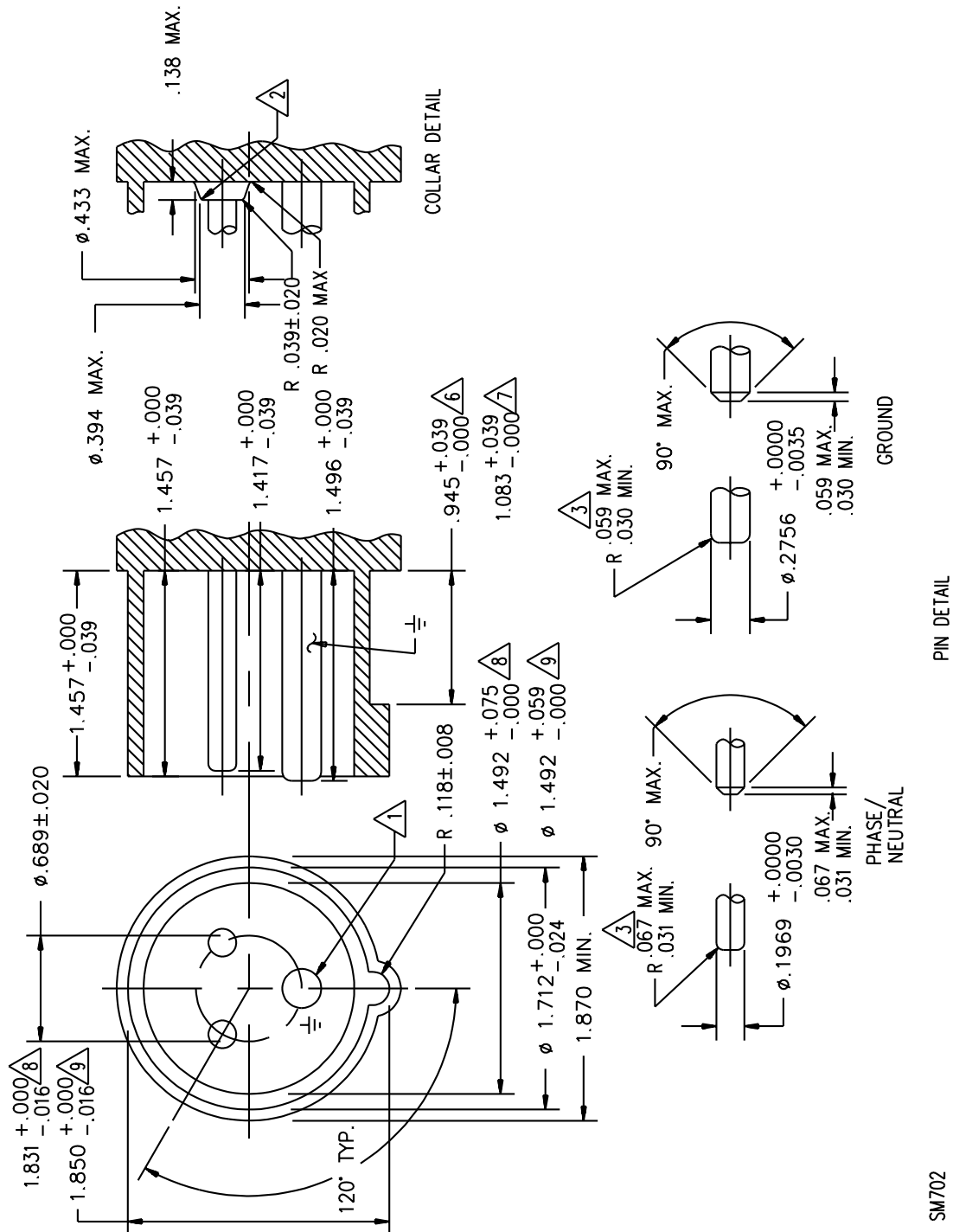


**Figure C2.2**  
**Plug or inlet**  
 20 Ampere, 3 wire without pilot



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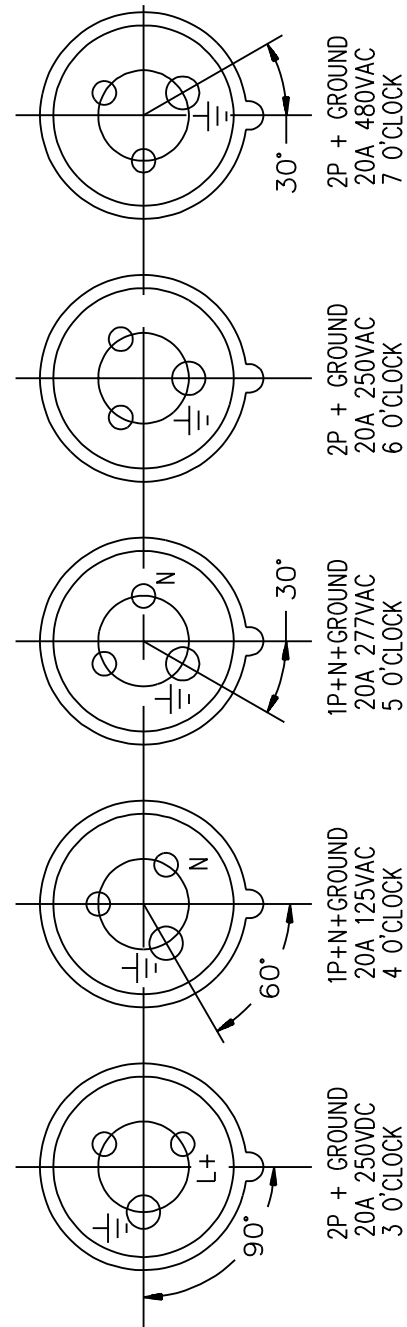


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Figure C2.2 (cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASHPROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

# RATING CONFIGURATIONS FRONT VIEW - PLUG OR INLET



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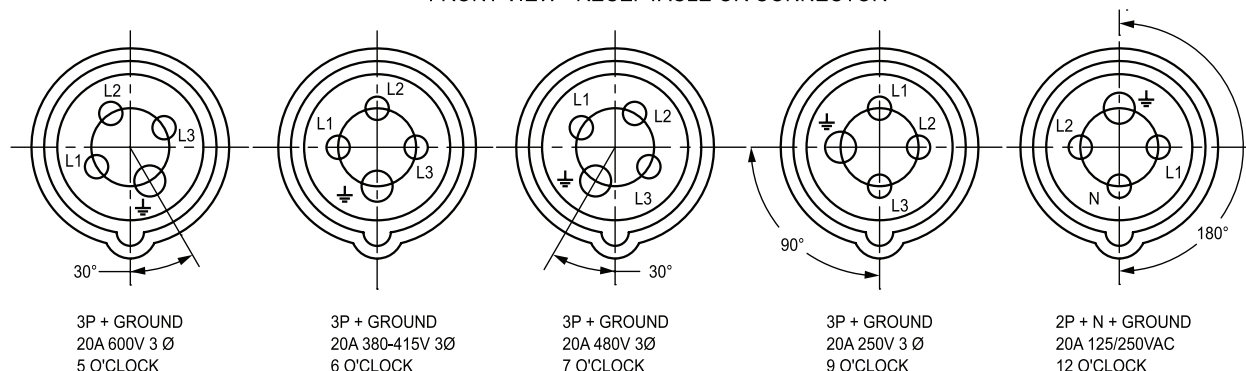
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Figure C2.3 (Cont'd)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 4 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.
4. DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.
5. THE BEVELLING OF THE CONTACTS TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.
6. NEUTRAL CONTACT WHEN REQUIRED.
7.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
8. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

### RATING CONFIGURATIONS FRONT VIEW - RECEPTACLE OR CONNECTOR



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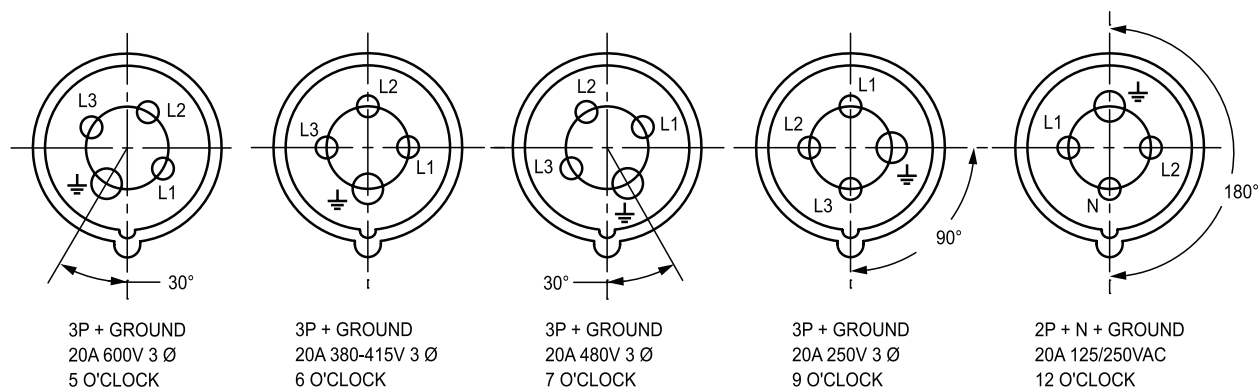
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Figure C2.4 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASH PROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

### RATING CONFIGURATIONS FRONT VIEW - PLUG OR INLET



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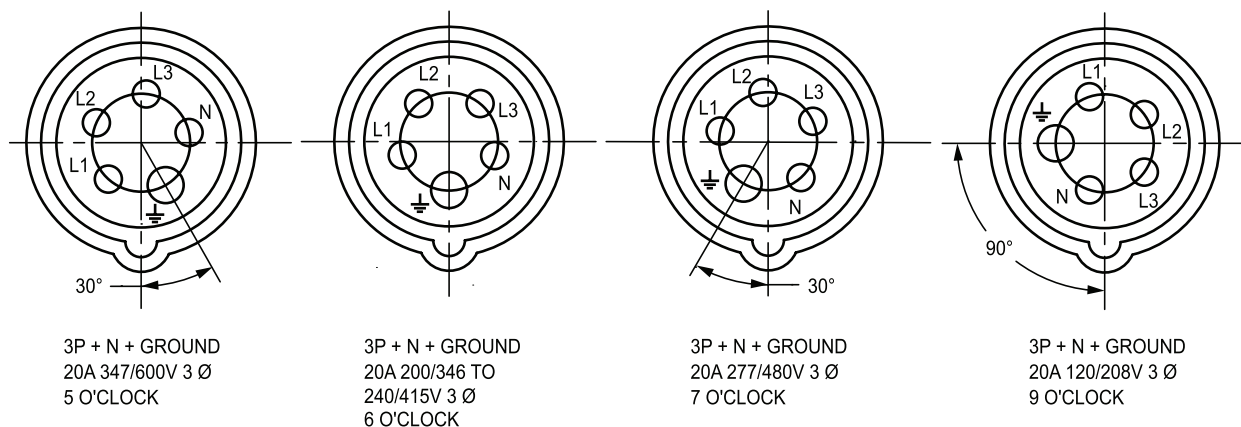
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Figure C2.5 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 5 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.
4. DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.
5. THE BEVELLING OF THE CONTACTS TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.
6. NEUTRAL CONTACT WHEN REQUIRED.
7.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
8. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

### RATING CONFIGURATIONS FRONT VIEW - RECEPTACLE OR CONNECTOR



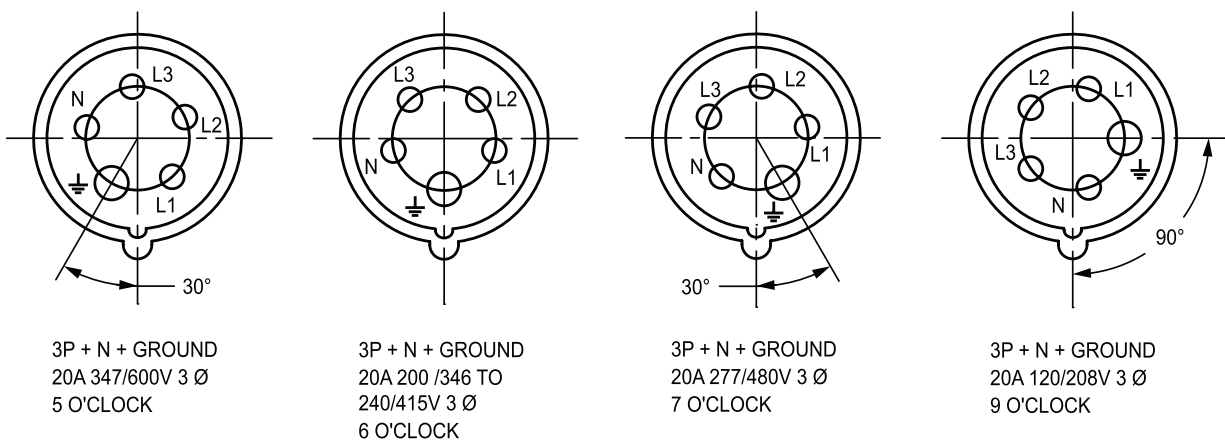
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Figure C2.6 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASHPROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

### RATING CONFIGURATIONS FRONT VIEW - PLUG OR INLET



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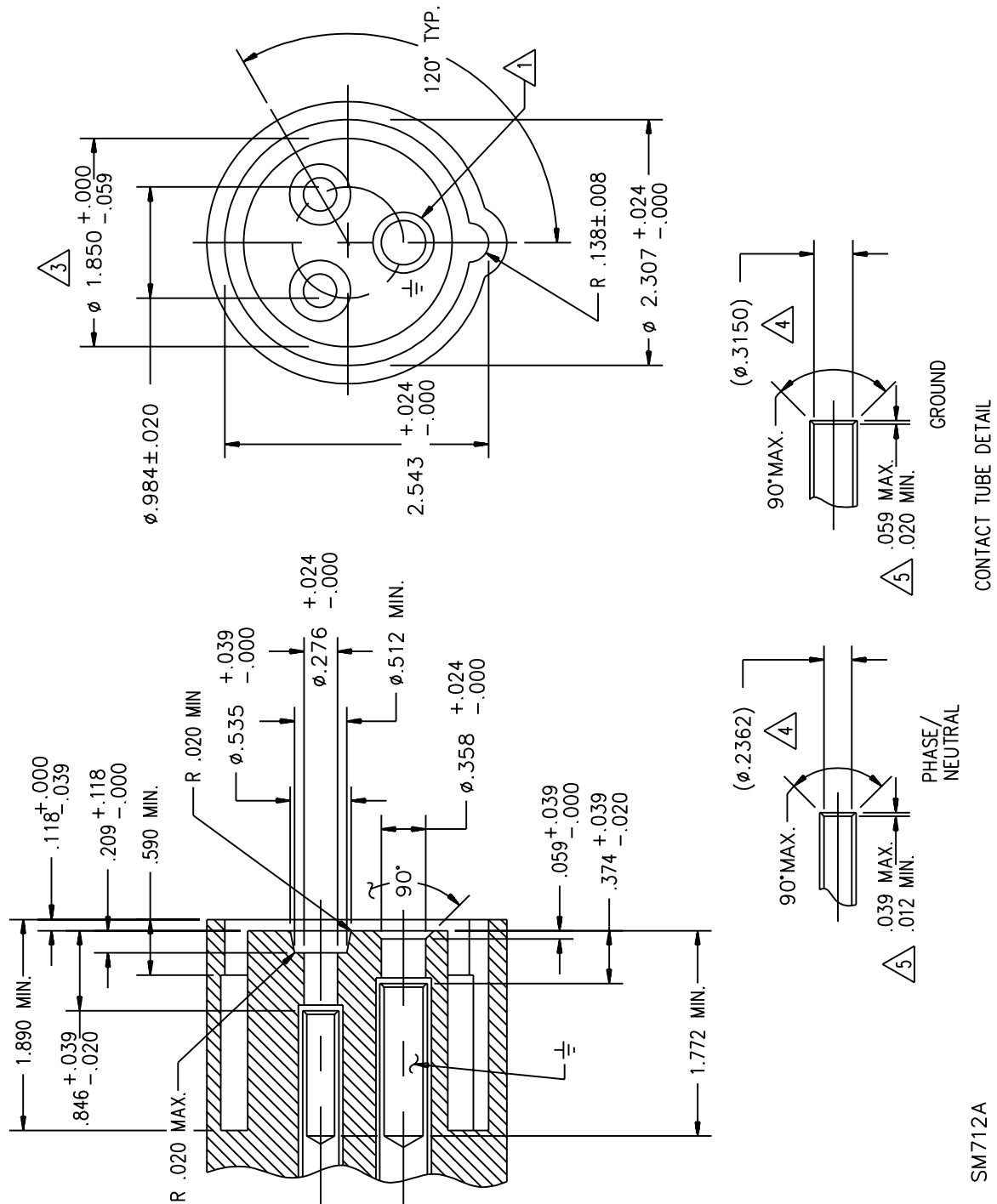
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Figure C2.7  
Receptacle or connector  
30 Ampere, 3 wire without pilot



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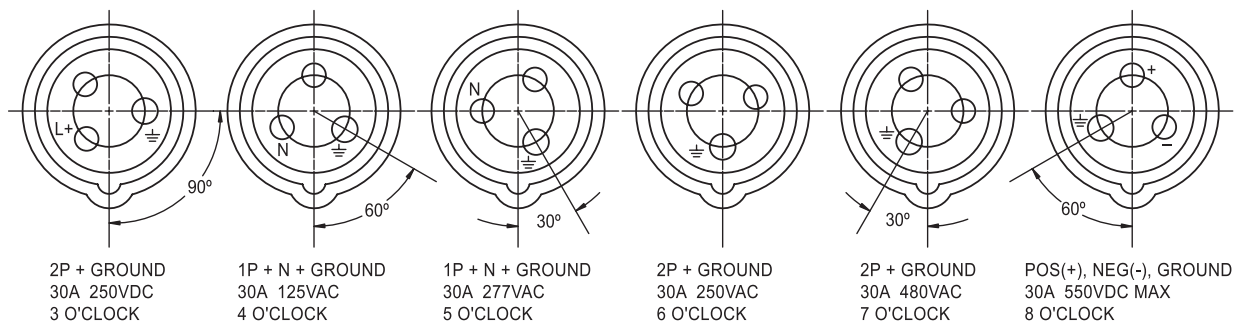


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Figure C2.7 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O' CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 3 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.
4. DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.
5. THE BEVELLING OF CONTACT TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.
6.  $\equiv$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\equiv$ ).
7. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

RATING CONFIGURATIONS  
FRONT VIEW - RECEPTACLE OR CONNECTOR



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FIGURE C2.7 (CONT.)

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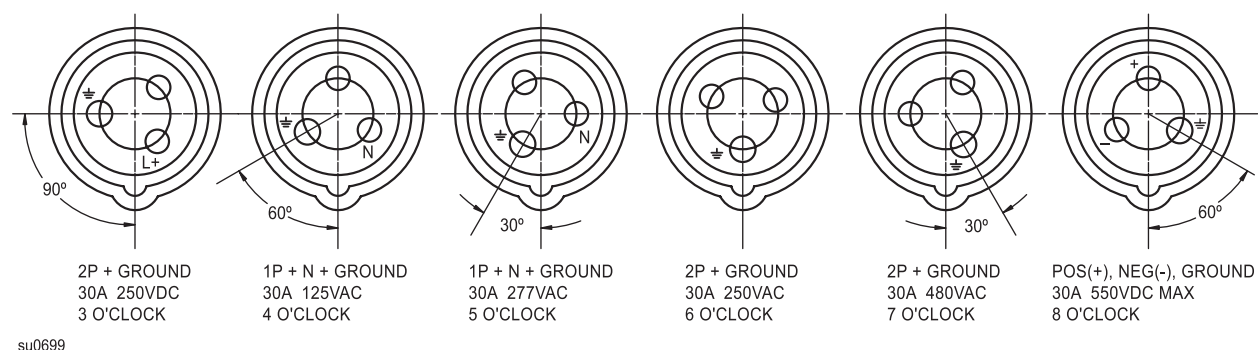


Figure C2.8 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V. OPTIONAL FOR OTHER DEVICES.
3. END OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSIONS.
4.  $\equiv$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\equiv$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASHPROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

FIGURE C2.8 (CONT.)

RATING CONFIGURATIONS  
FRONT VIEW - PLUG OR INLET



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Figure C2.9 (Cont.)

1 MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.

2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)

3 THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 4 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.

4 DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.

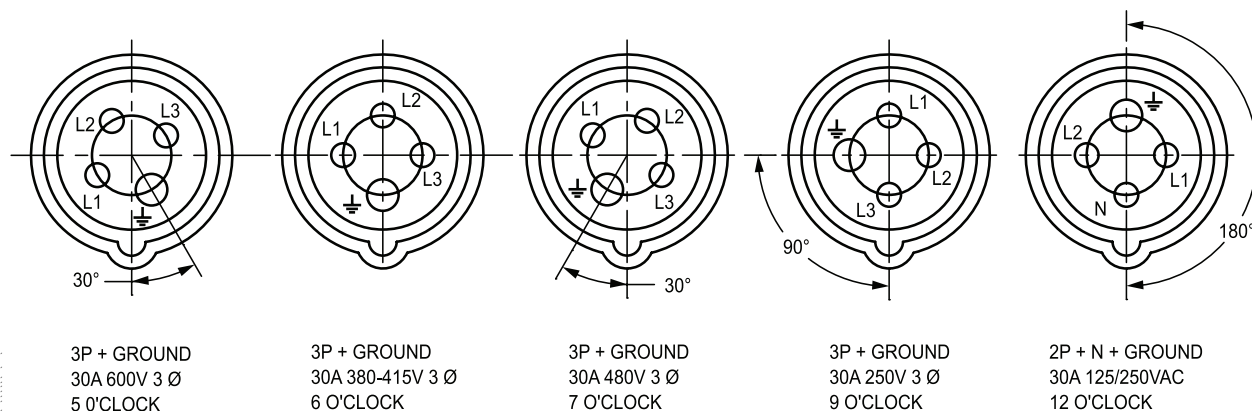
5 THE BEVELLING OF THE CONTACTS TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.

6 NEUTRAL CONTACT WHEN REQUIRED.

7.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).

8. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

### RATING CONFIGURATIONS FRONT VIEW - RECEPTACLE OR CONNECTOR



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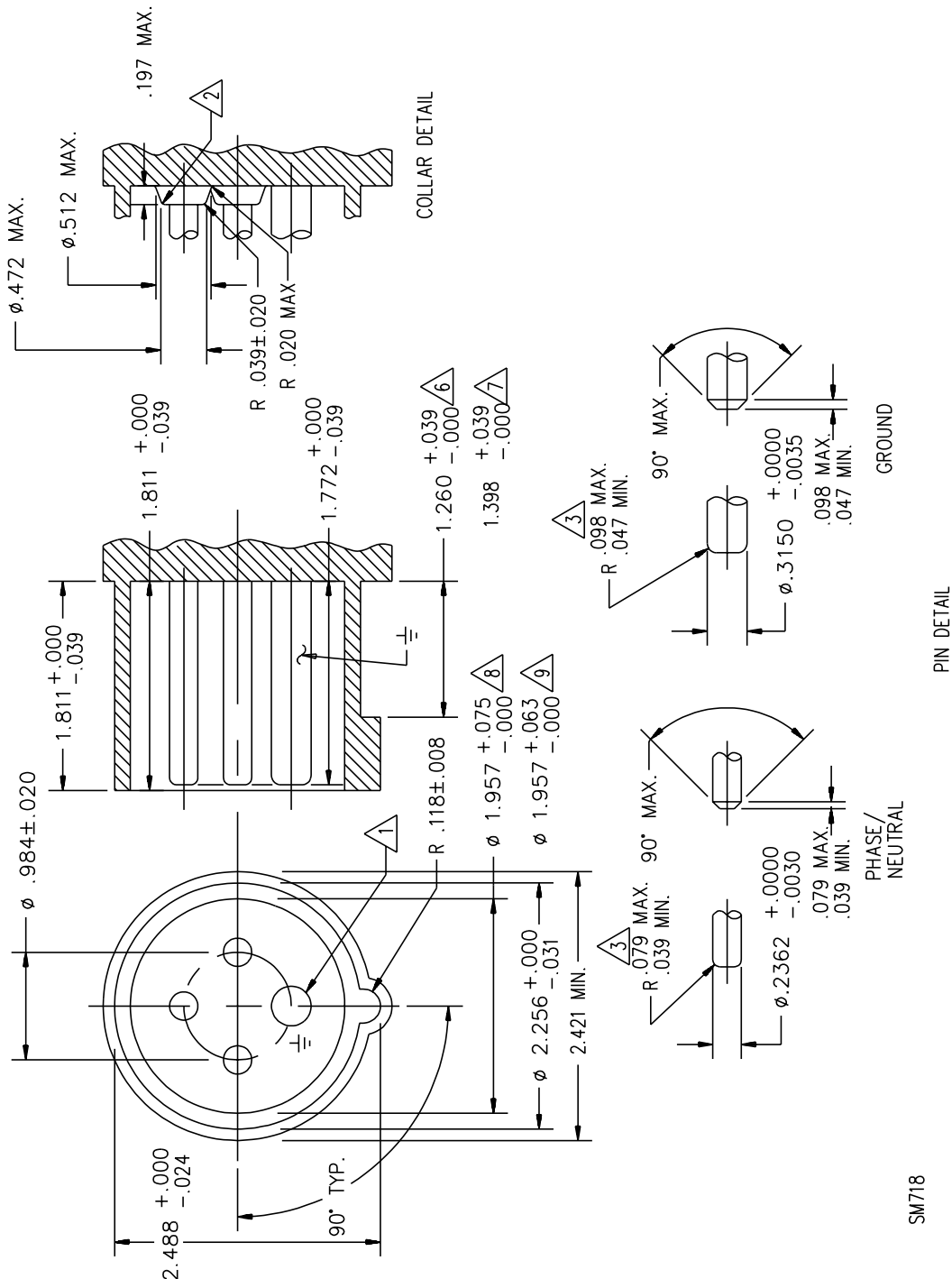
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**Figure C2.10**  
**Plug or inlet**  
**30 Ampere, 4 wire without pilot**



(Continued)

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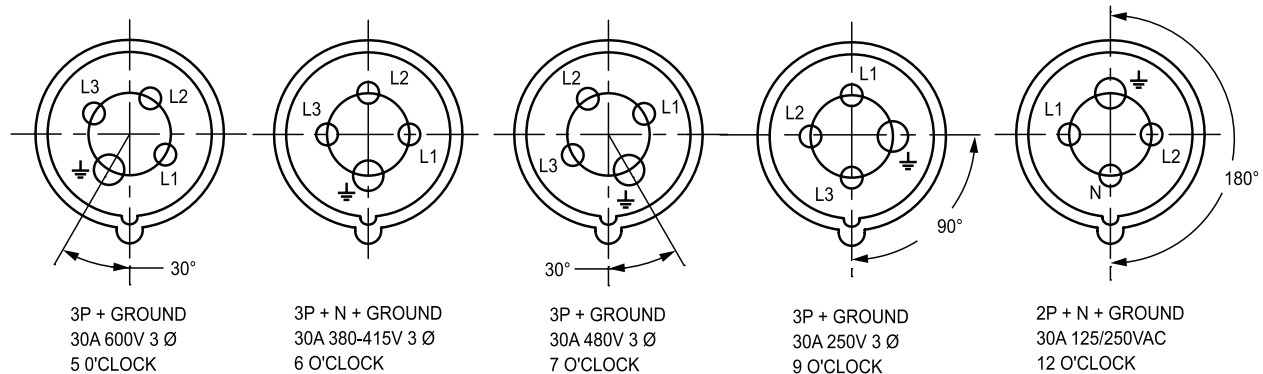


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Figure C2.10 (Cont.)

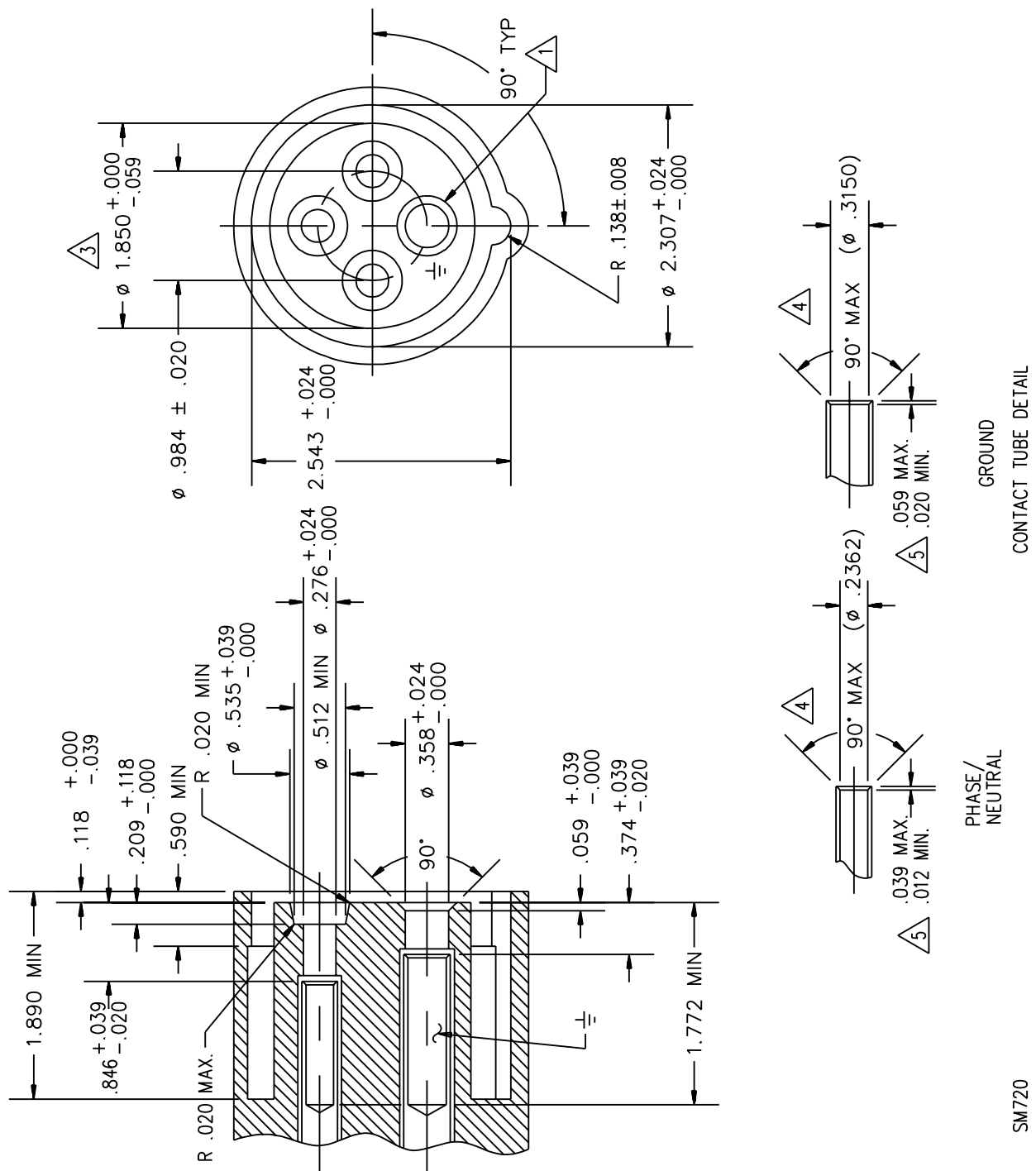
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASH PROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

### RATING CONFIGURATIONS FRONT VIEW - PLUG OR INLET



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Figure C2.11  
Receptacle or connector  
32/30 Ampere, 4 wire without pilot only for refrigerated containers



(Continued)

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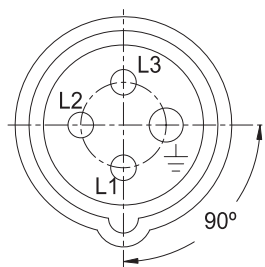
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**Figure C2.11 (Cont.)**

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 4 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.
4. DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.
5. THE BEVELLING OF THE CONTACTS TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.
6.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
7. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
8. THIS CONFIGURATION IS DUAL RATED FOR THE INTERNATIONAL TRANSSHIPMENT OF REFRIGERATED CONTAINERS. OVERCURRENT PROTECTION SHALL BE RATED AT STANDARD RATINGS PREVALENT LOCALLY.

#### RATING CONFIGURATIONS FRONT VIEW - RECEPTACLE OR CONNECTOR



3P + GROUND  
 30A 440V 60Hz  
 32A 380V 60Hz  
 ONLY FOR REFRIGERATED CONTAINERS  
 3 O'CLOCK

SM721b

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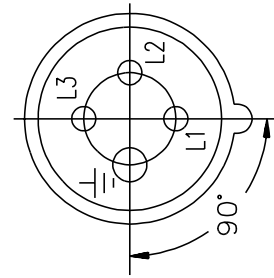
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Figure C2.12 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. FOR SPLASHPROOF DEVICES.
6. FOR WATERTIGHT DEVICES.
7. FOR DEVICES WITH METAL ENCLOSURES.
8. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.
9. THIS CONFIGURATION IS DUAL RATED FOR THE INTERNATIONAL TRANSSHIPMENT OF REFRIGERATED CONTAINERS. OVERCURRENT PROTECTION SHALL BE RATED AT STANDARD RATINGS PREVALENT LOCALLY.

RATING CONFIGURATIONS  
FRONT VIEW - PLUG OR INLET



3P + GROUND  
30A 440V 60Hz  
32A 380V 50Hz  
ONLY FOR REFRIGERATED CONTAINERS  
3 O'CLOCK

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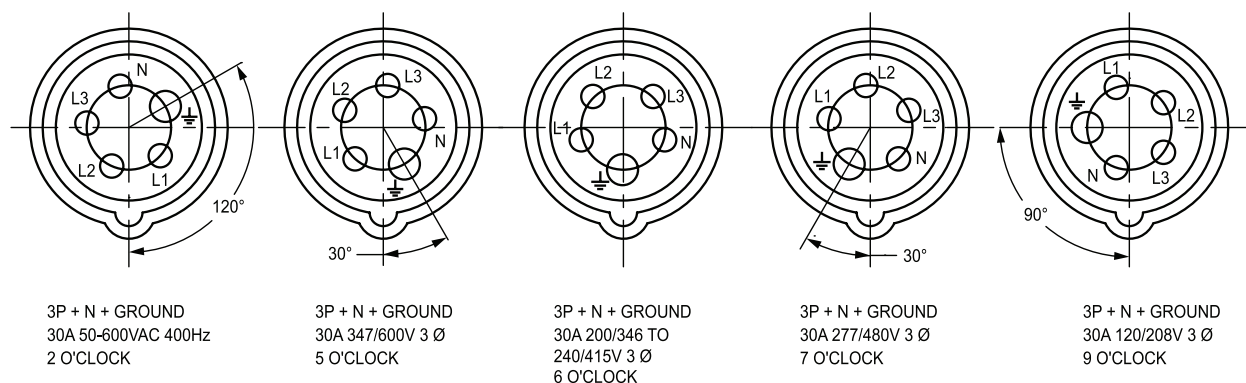
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Figure C2.13 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL NOT EXCEED THE PRESCRIBED LIMIT AT ANY POINT OVER THE WHOLE DEPTH, AND SHALL BE WITHIN THE PRESCRIBED LIMITS OVER A MINIMUM DEPTH OF .236 INCHES WITH THE EXCEPTION OF A MAXIMUM OF 5 CUT-OUTS SPACED AROUND THE CIRCUMFERENCE WITH NOT MORE THAN ONE CUT-OUT BETWEEN ADJACENT HOLES FOR THE CONTACT TUBES AND EACH HAVING A WIDTH NOT EXCEEDING .590 INCHES INCLUDING ANY RADII. HOLES DEEPER THAN .394 INCHES IN THE AREA ARE ALLOWED.
4. DIMENSIONS REFER TO PIN DIAMETERS; THE CONTACTS TUBES NEED NOT BE CIRCULAR.
5. THE BEVELLING OF THE CONTACTS TUBES MAY BE ROUNDED OFF TOWARDS THE INTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES THE MAXIMUM DIMENSION.
6. NEUTRAL CONTACT WHEN REQUIRED.
7.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
8. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

### RATING CONFIGURATIONS FRONT VIEW - RECEPTACLE OR CONNECTOR



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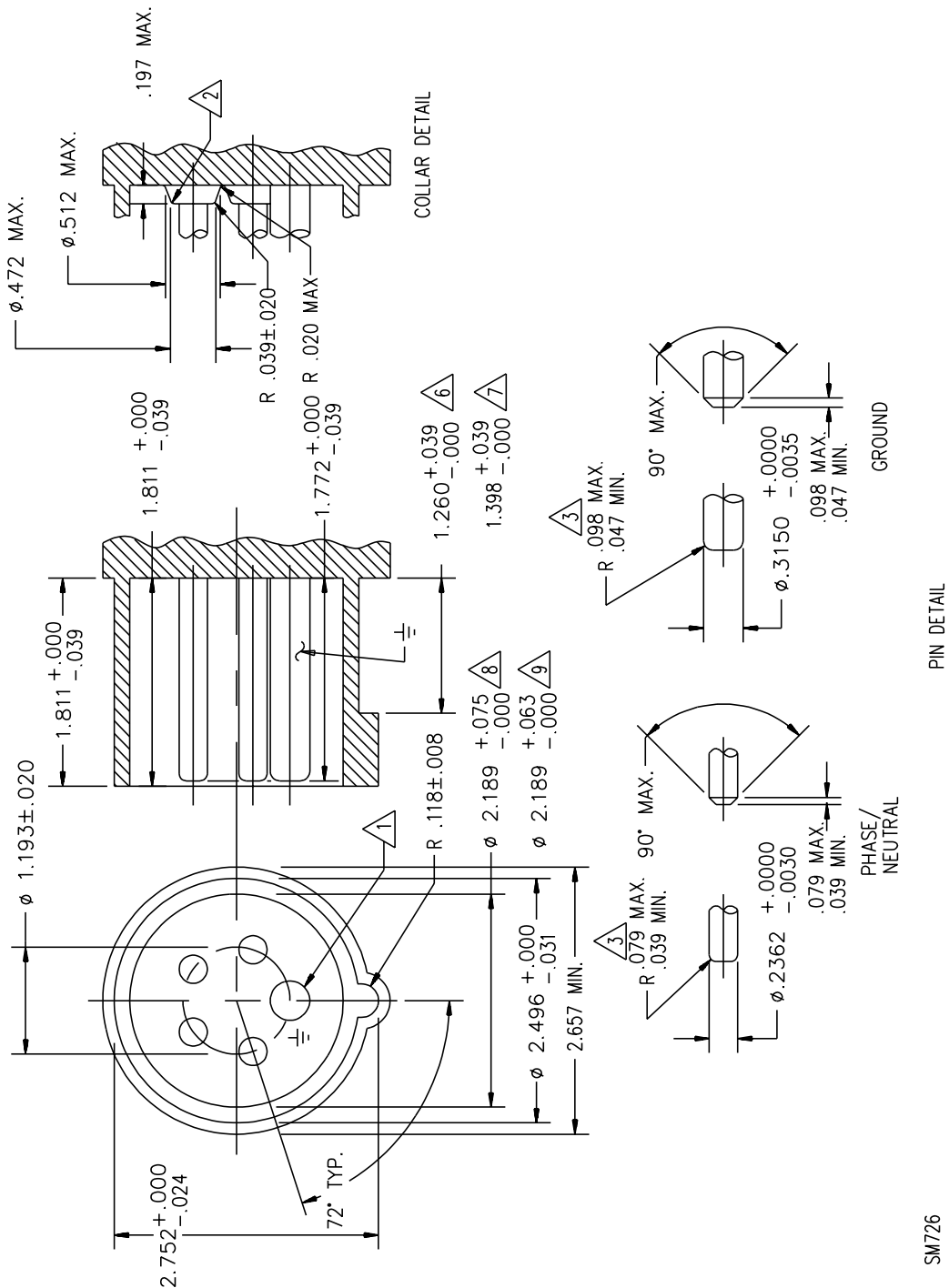
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**Figure C2.14**  
**Plug or inlet**  
**30 Ampere, 5 wire without pilot**



(Continued)

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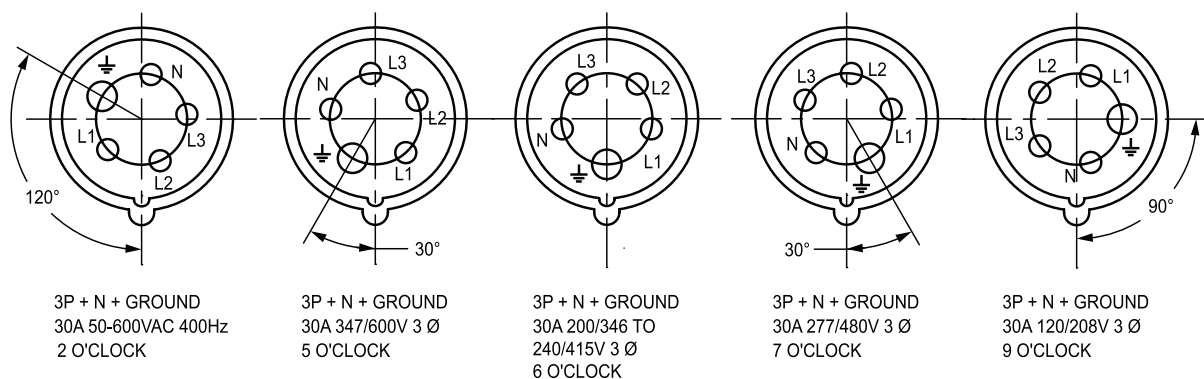


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Figure C2.14 (Cont.)

1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSION.
4.  $\perp$  DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ( $\perp$ ).
5. N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".
6. FOR SPLASH PROOF DEVICES.
7. FOR WATERTIGHT DEVICES.
8. FOR DEVICES WITH METAL ENCLOSURES.
9. FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

### RATING CONFIGURATIONS FRONT VIEW - PLUG OR INLET



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