



UL 1686

STANDARD FOR SAFETY

Pin and Sleeve Configurations

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

Fifth Edition, Dated September 5, 2023

Summary of Topics

This revision of ANSI/UL 1686 dated November 22, 2024 is being issued to add [Figure C2.39](#) and [Figure C2.40](#) and revise [C2.1](#).

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated August 9, 2024.

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Association of Standardization and Certification
NMX-J-864-ANCE-2023
First Edition



CSA Group
CSA C22.2 No. 182.6:23
First Edition



ULSE Inc.
UL 1686
Fifth Edition

Pin and Sleeve Configurations

September 5, 2023

(Title Page Reprinted: November 22, 2024)



ANSI/UL 1686-2024



Commitment for Amendments

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This Standard is subject to review within five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

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This ANSI/UL Standard for Safety consists of the Fifth Edition including revisions through November 22, 2024. The most recent designation of ANSI/UL 1686 as an American National Standard (ANSI) occurred on November 22, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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

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ANNEX A (Informative) – Equivalent Tables in Inches

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Preface

This is the harmonized ANCE, CSA Group, and ULSE standard for Pin and Sleeve Configurations. It is the first edition of NMX-J-864-ANCE, the first edition of CSA C22.2 No. 182.6, and the fifth edition of UL 1686. This edition of UL 1686 supersedes the previous edition published August 17, 2012. This harmonized standard has been jointly revised on November 22, 2024. For this purpose, CSA Group and ULSE are issuing revision pages dated November 22, 2024, and ANCE is issuing a new edition dated November 22, 2024.

This harmonized standard was prepared by the Association of Standardization and Certification (ANCE), CSA Group, and ULSE. The efforts and support of the Technical Harmonization Subcommittee 23H under CANENA on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

The present Mexican standard was developed by the CT 23 Electrical Accessories (Wiring Devices) from the Comité de Normalización de la Asociación de Normalización y Certificación, A.C., CONANCE, with the collaboration of the electrical manufacturers and users.

This standard was reviewed by the CSA Integrated Committee on Wiring Devices, under the jurisdiction of the CSA Technical Committee on Wiring Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety (SCORES), and has been formally approved by the CSA Technical Committee. This standard has been developed in compliance with the Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of harmonization

This standard is published as an equivalent standard for ANCE, CSA Group, and ULSE.

An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

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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), NFPA 70 and CSA C22.1, Canadian Electrical Code, Part I (CE Code).

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

2 Referenced Publications

2.1 Any undated reference to a code or standard appearing in the requirements of this Standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 The following standards are referenced in this Standard, and portions of these referenced standards may be essential for compliance.

CSA C22.1, *Canadian Electrical Code (CE Code)*

IEC 60309-2, *Plugs, Fixed or Portable Socket-Outlets and Appliance Inlets for Industrial Purposes – Part 2: Dimensional Compatibility Requirements for Pin and Contact-Tube Accessories*

NFPA 70, *National Electrical Code*

3 Units of Measurement

3.1 The values given in SI (metric) units shall be normative. Any other values given shall be for information purposes only.

4 General

4.1 The information given in (a) – (h) applies to each configuration in Sections [C1](#) – [C5](#).

a) All dimensions are in inches. Metric values were derived by converting from English imperial units given in Annex [A](#). If reference dimensions are needed, the metric dimensions shall be considered extended to be 3 decimal places from the Imperial units given in Annex [A](#).

b) Decimal dimensions without tolerances shall be subject to a 0.0127 cm (± 0.005 inch) tolerance. When metric values are used, they have been derived by converting from imperial units given in this standard. If a reference dimension is needed, the metric dimension shall be extended to 3 decimal places.

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:

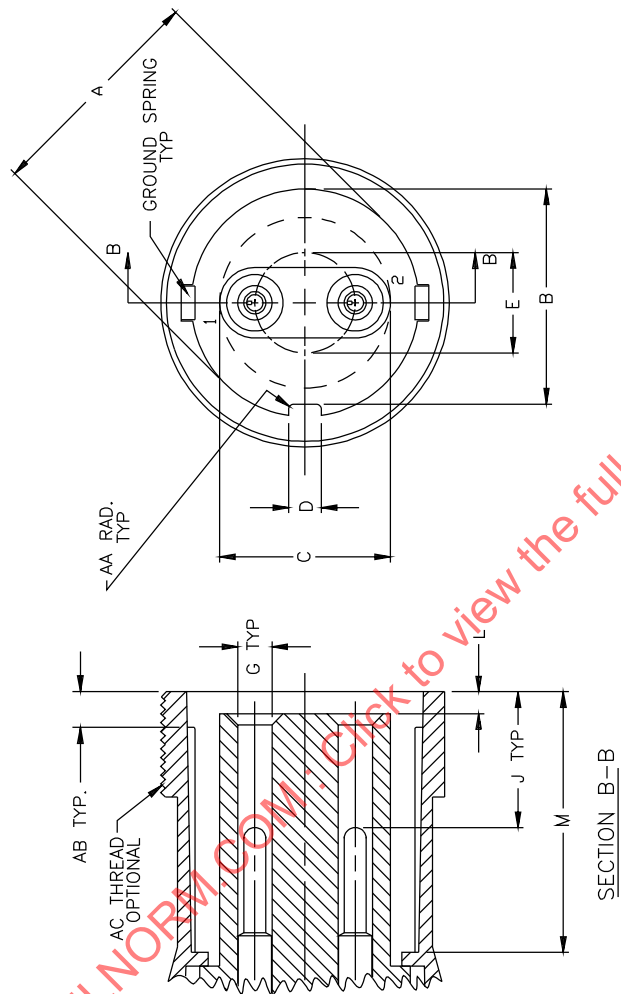
- 1) The grounded terminal shall be identified in the Figures by the letter "W".
- 2) The grounding terminal shall be identified in the Figures by the letter "G".

CONFIGURATIONS

C1 Configurations

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



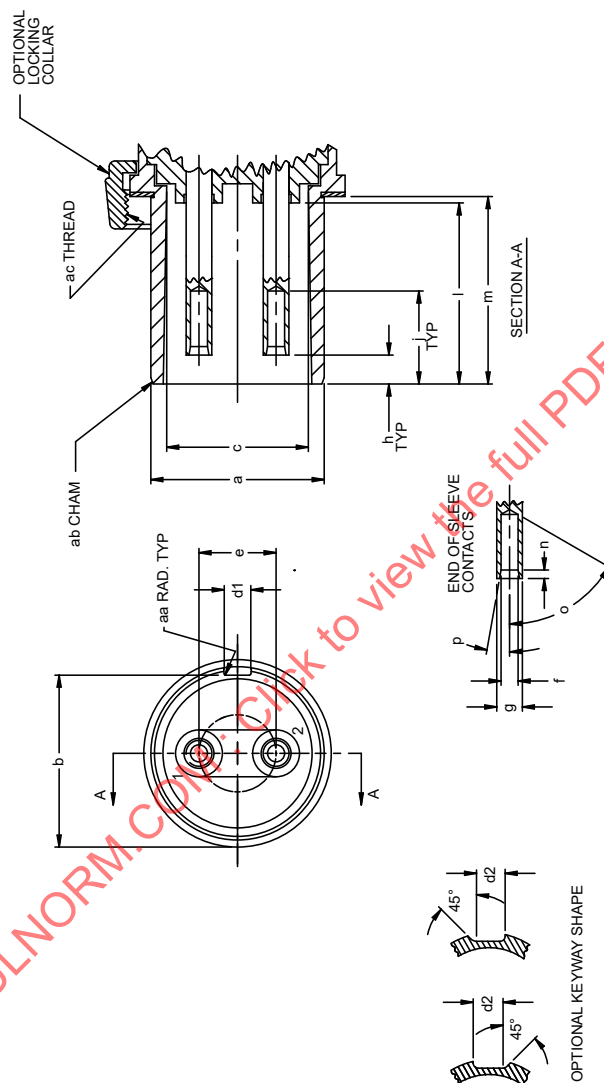
STYLE	TYPE	AMP RATING	A (ϕ)	B	C (ϕ)	D	E (ϕ)	G (ϕ)	J	L	M	Q	AA	AB	AC
1	2P	30	1929 1865	1818 1750	1440 1445	.198 .148	.568 .557	.266 .258	1.115 1.005	.275 .285	1.734 MIN 1.734 MIN	.120 .080	.104 .026	.750 .250	2 9/16-14 UNS-2B 2 9/16-14 UNS-2B
1	2P	60	2329 2260	2219 2151	1600 1605	.382 .382	.855 .855	.392 .392	1.609 1.599	.379 .390	2.891 MIN 2.891 MIN	.140 .135	.030 .045	1.500 .250	2 15/16-14 UNS-2B 3 3/16-14 UNS-2B
1	2P	100	2490 2490	2451 2368	2015 1875	.382 .300	1.026 1.025	.447 .447	1.992 1.907	.300 .205	3.547 MIN 3.547 MIN	.135 .135	.130 .045	1.500 .250	3 3/16-14 UNS-2B 3 3/16-14 UNS-2B

SM802

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

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

Figure C1.2 Plugs and Inlets



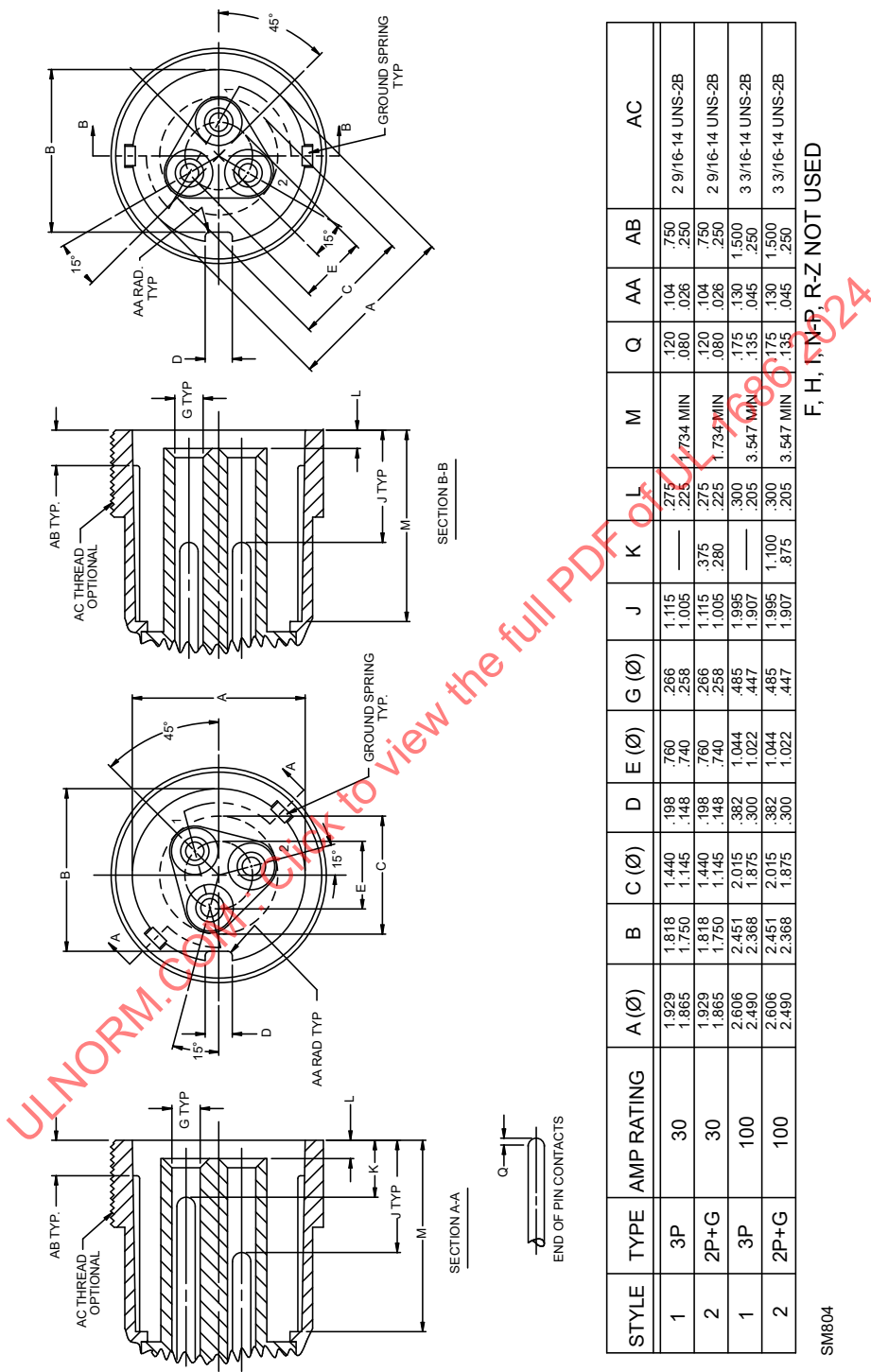
STYLE	TYPE	AMP RATING	a (°)	b	c (°)	d1	d2	e (°)	f (°)	g (°)	h	j	i	m	n	o	p	aa	ab	ac
1	2P	30	1.865 1.848	1.770 1.745	1.540 1.460	2.20 1.99	205 195	568 557	1.91 1.86	253 247	095 005	922 640		1.655 1.621	.021 000	60.5° 58.5°	45.5° 0.0°	.107 .011	.05 X 20° 1.10 X 40°	2 9/16-14 UNS-2B
1	2P	60	2.239 2.220	2.114 2.079	1.890 1.670	400 365	360 340	865 830	2.53 2.49	378 365	530 383	1.415 1.370		2.765 2.672	.030 020	60.5° 58.5°	100 80.0	.100 .020	.05 X 20° 1.10 X 40°	2 15/16-14 UNS-2B
1	2P	100	2.485 2.368	2.368 2.130	2.130 1.920	560 520	560 520	1036 915	3.15 3.10	4495 4365	1.612 1.495	1.912 1.760		3.495 3.306	.050 030	60.5° 58.5°	110 80.0	.110 .020	.05 X 20° 1.10 X 40°	3 3/16-14 UNS-2B

i, k, q-z NOT USED

SM803

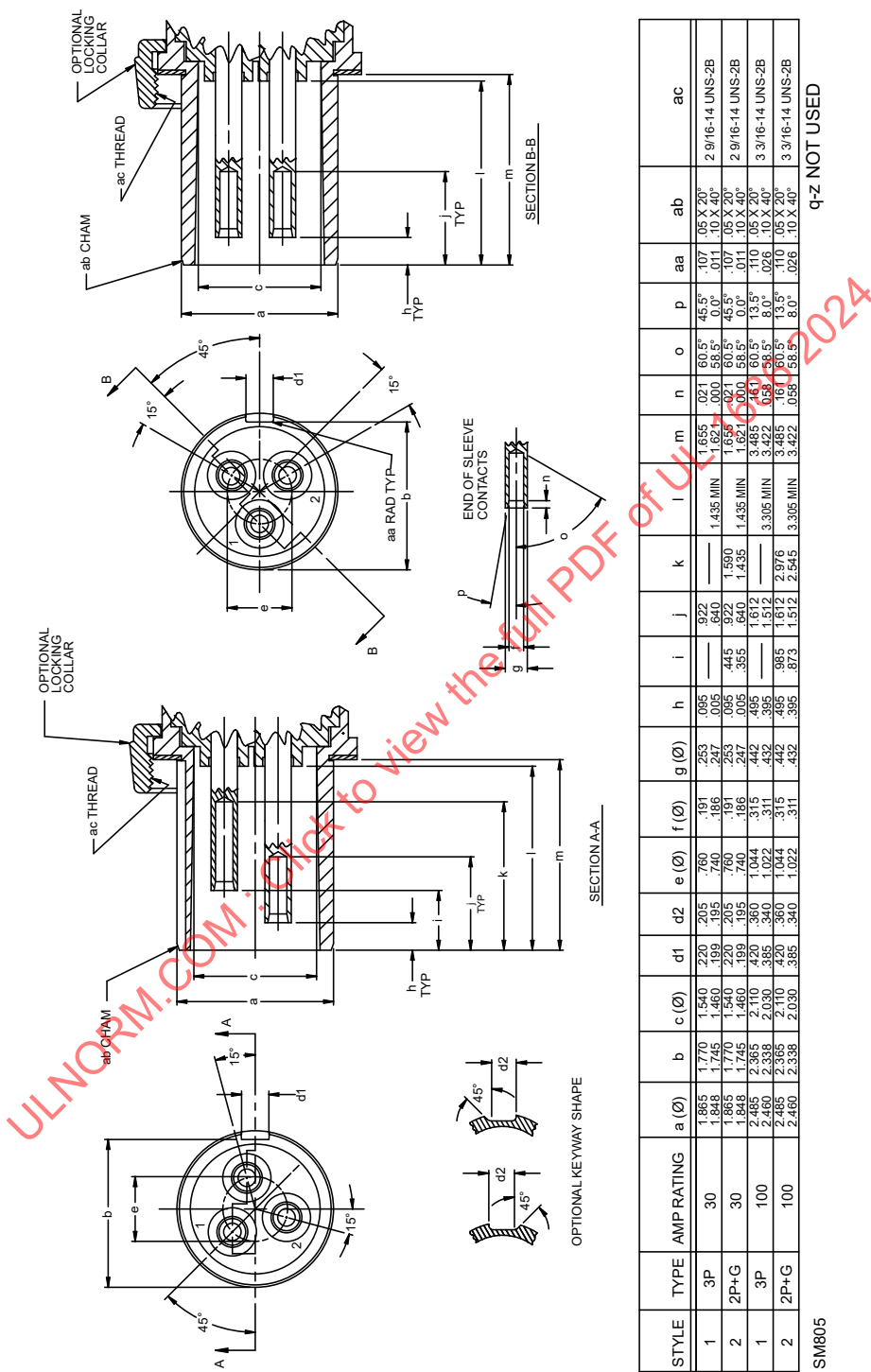
See notes 6 and 7.

Figure C1.3
Receptacles and Connectors



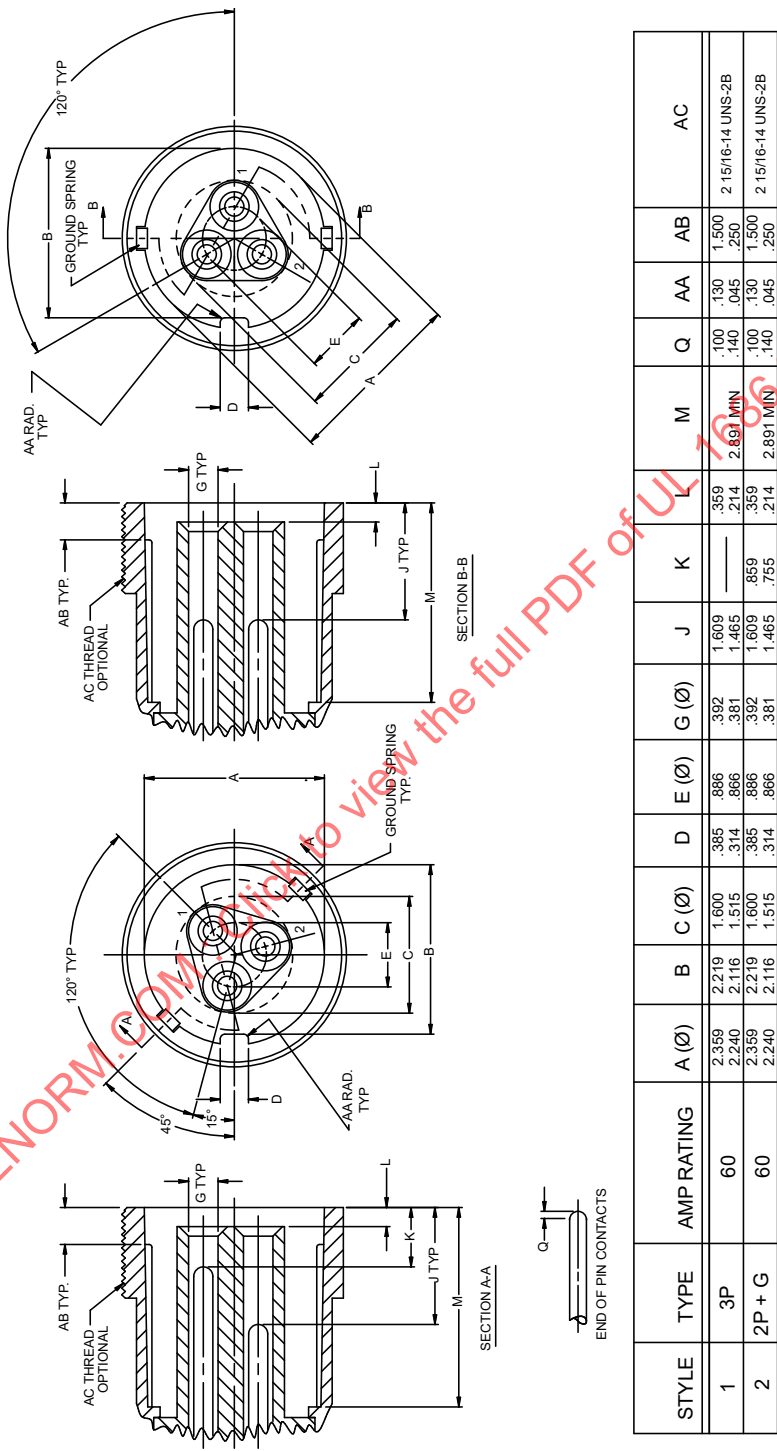
See notes 1, 2, 3, 4 and 5.

Figure C1.4
Plugs and inlets



See notes 6 and 7.

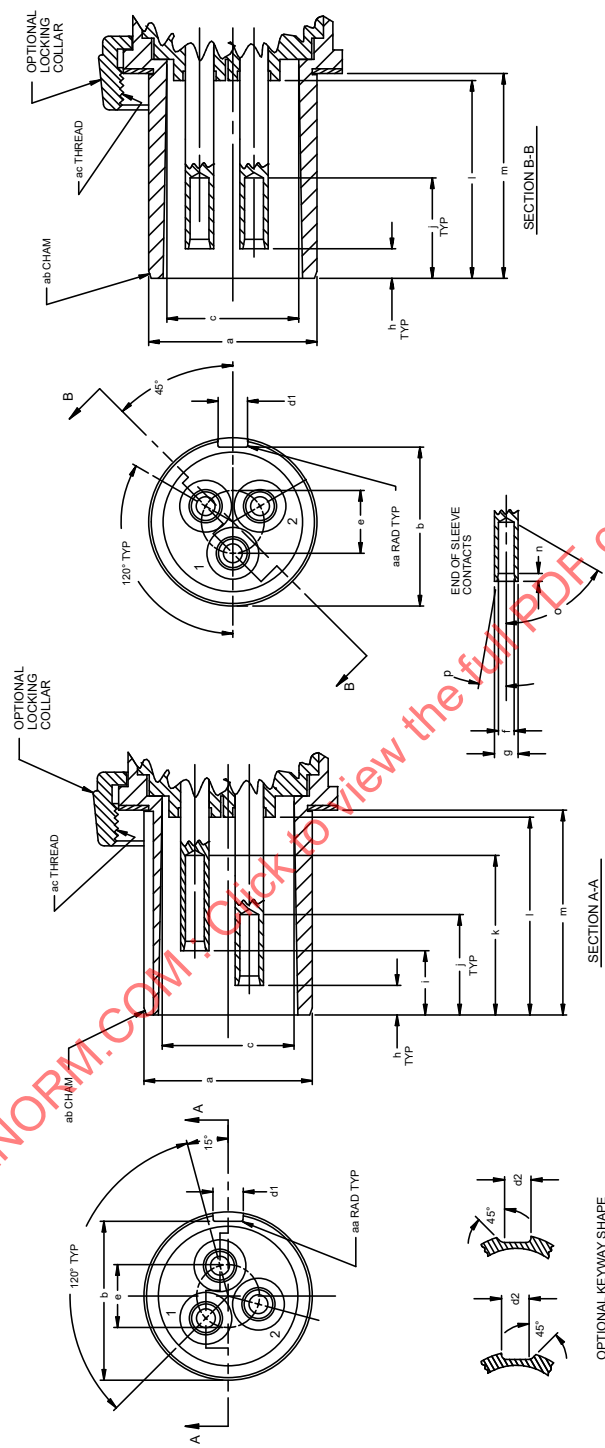
Figure C1.5
Receptacles and Connectors



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

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

Figure C1.6
Plugs and Inlets



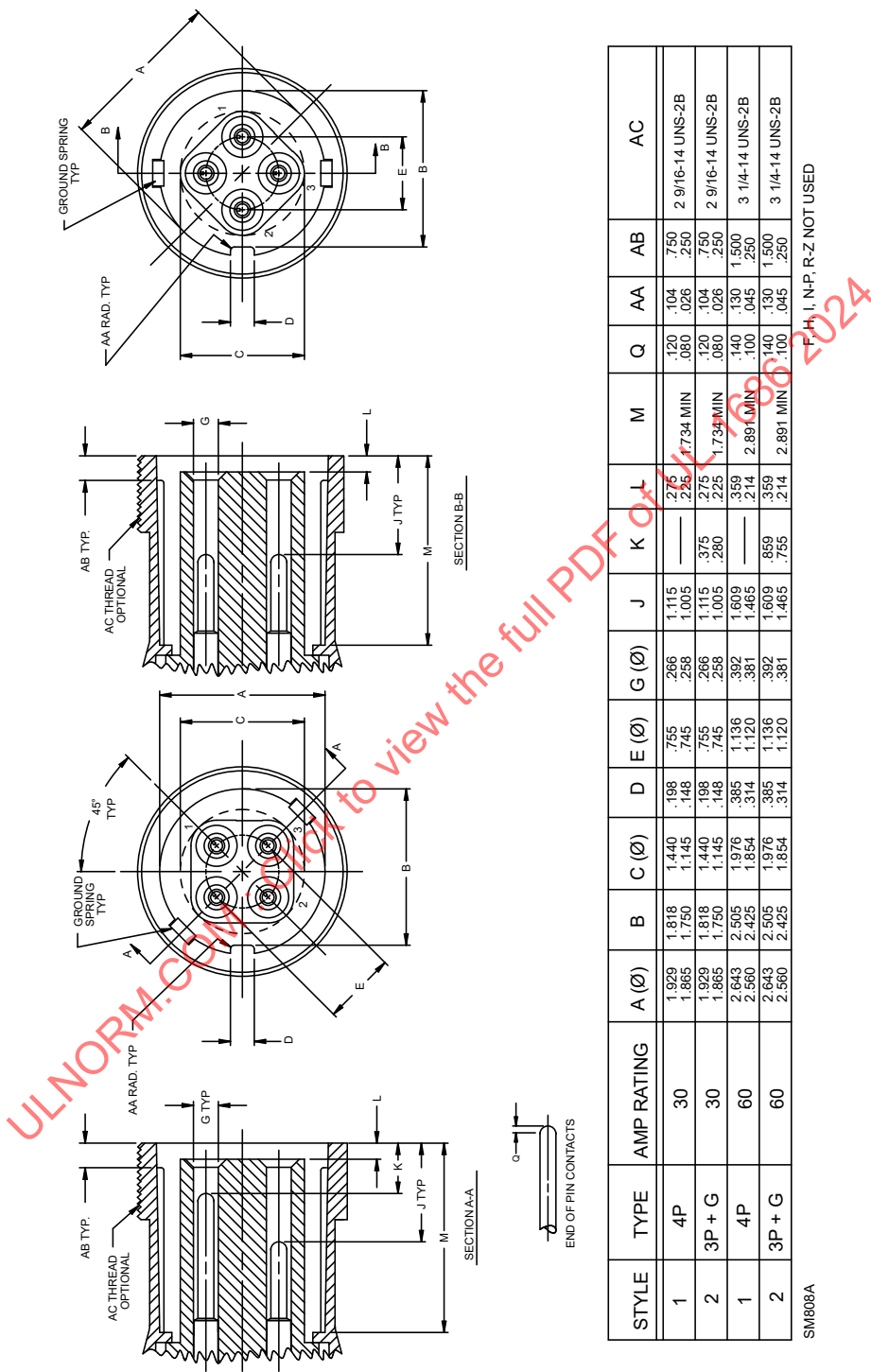
STYLE	TYPE	AMP RATING	a (Ø)	b	c (Ø)	d1	d2	e (Ø)	f (Ø)	g (Ø)	h	i	j	k	l	m	n	o	p	aa	ab	ac
1	3P	60	2.239 2.220	2.114 2.079	1.890 1.670	4.00 .385	.360 .340	.886 .866	.253 .249	.378 .365	.530 .383	—	1.415 1.300	—	2.615 MIN	2.765 2.672	.030 .058	60.5° 58.5°	15.5° 8.0°	.100 .020	.05 X 20° .10 X 40°	2 15/16-14 UNS-2B
2	2P+G	60	2.239 2.220	2.114 2.079	1.890 1.670	4.00 .385	.360 .340	.886 .866	.253 .249	.378 .365	.530 .383	.977 .843	1.415 1.300	2.276 2.050	2.615 MIN	2.765 2.672	.030 .058	60.5° 58.5°	15.5° 8.0°	.100 .020	.05 X 20° .10 X 40°	2 15/16-14 UNS-2B

q-z NOT USED

SM807A

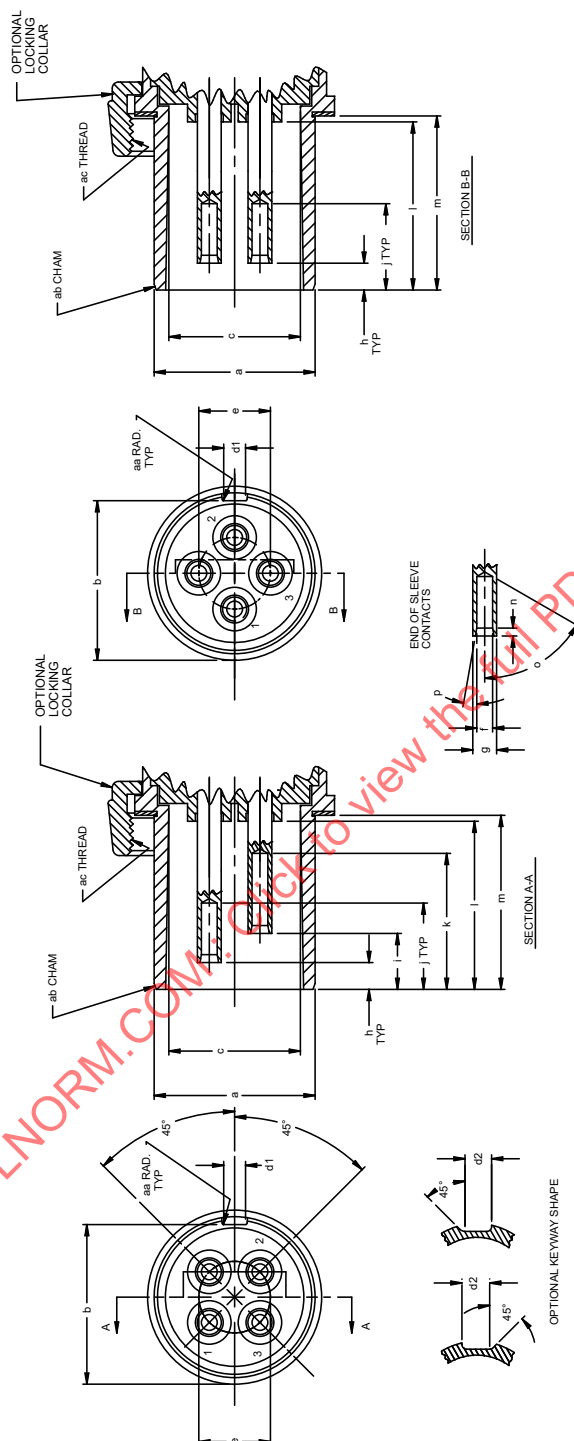
See notes 6 and 7.

Figure C1.7
Receptacles and Connectors



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

Figure C1.8
Plugs and Inlets



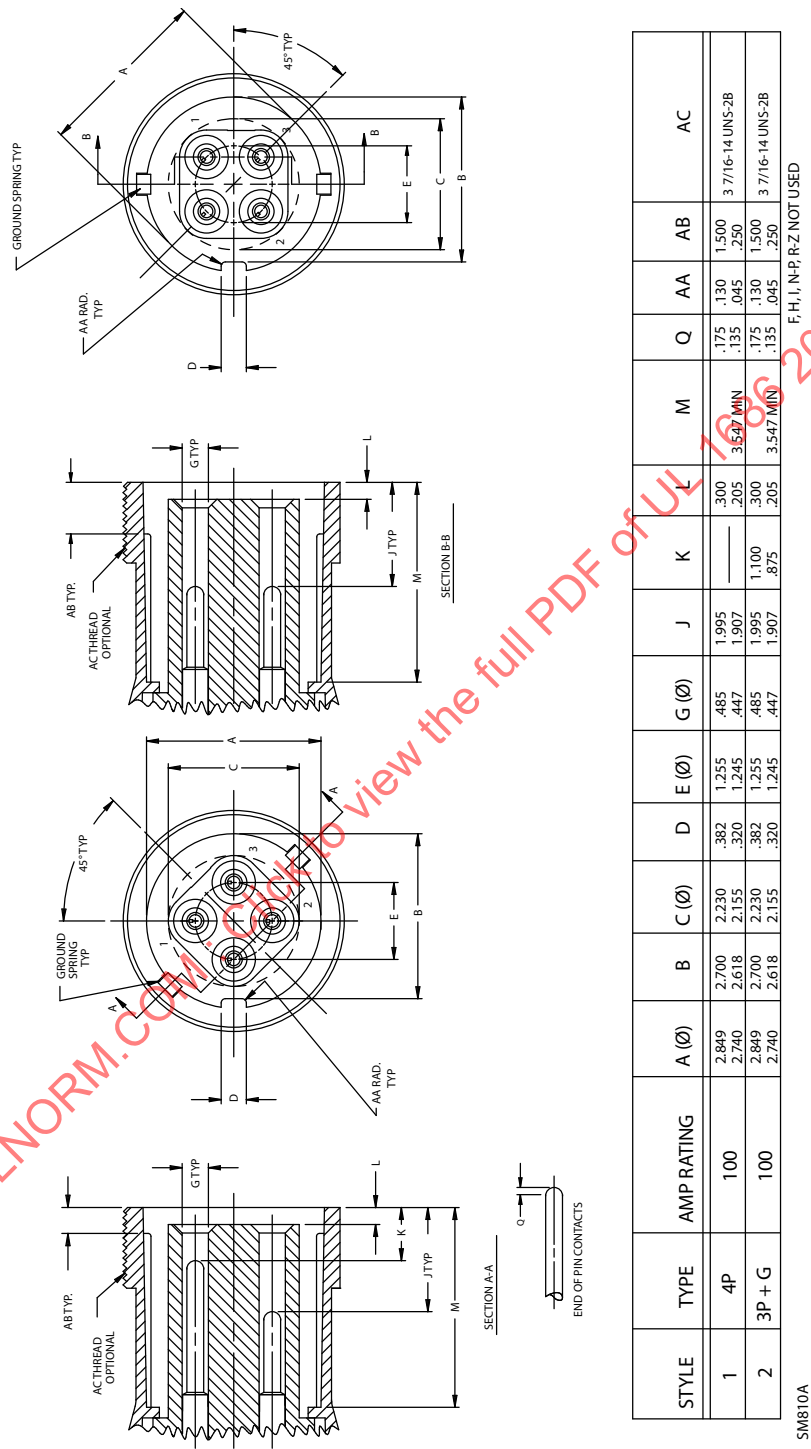
STYLE	TYPE	AMP RATING	a (Ø)	b	c (Ø)	d1	d2	e (Ø)	f (Ø)	g (Ø)	h	i	j	k	l	m	n	o	p	aa	ab	ac
1	4P	30	1.865 1.848	1.770 1.745	1.540 1.460	.220 .190	.205 .195	.755 .745	.191 .186	.253 .247	.095 .005	—	.922 .840	—	1.435 MIN	1.655 1.621	.021 .000	60.5° 58.5°	45.5° 0.0°	.107 .011	.05 X 20° .10 X 40°	2 9/16-14 UNS-2B
2	3P + G	30	1.865 1.848	1.770 1.745	1.540 1.460	.220 .190	.205 .195	.755 .745	.191 .186	.253 .247	.095 .005	.445 .355	.922 .840	1.590 1.435	1.435 MIN	1.655 1.621	.021 .000	60.5° 58.5°	45.5° 0.0°	.107 .011	.05 X 20° .10 X 40°	2 9/16-14 UNS-2B
1	4P	60	2.552 2.423	2.423 2.300	2.172 2.050	.420 .380	.360 .350	1.136 1.136	.253 .253	.378 .378	.530 .530	—	1.415 1.415	—	2.615 MIN	2.765 2.765	.130 .130	60.5° 58.5°	15.5° 15.5°	.100 .100	.05 X 20° .10 X 40°	3 1/4-14 UNS-2B
2	3P + G	60	2.552 2.423	2.423 2.300	2.172 2.050	.420 .380	.360 .350	1.136 1.136	.253 .253	.378 .378	.530 .530	.977 .843	1.415 1.300	2.276 2.060	2.615 MIN	2.672 2.672	.130 .086	60.5° 58.5°	15.5° 8.0°	.100 .020	.10 X 40° .10 X 40°	3 1/4-14 UNS-2B

SM809A

q-z NOT USED.

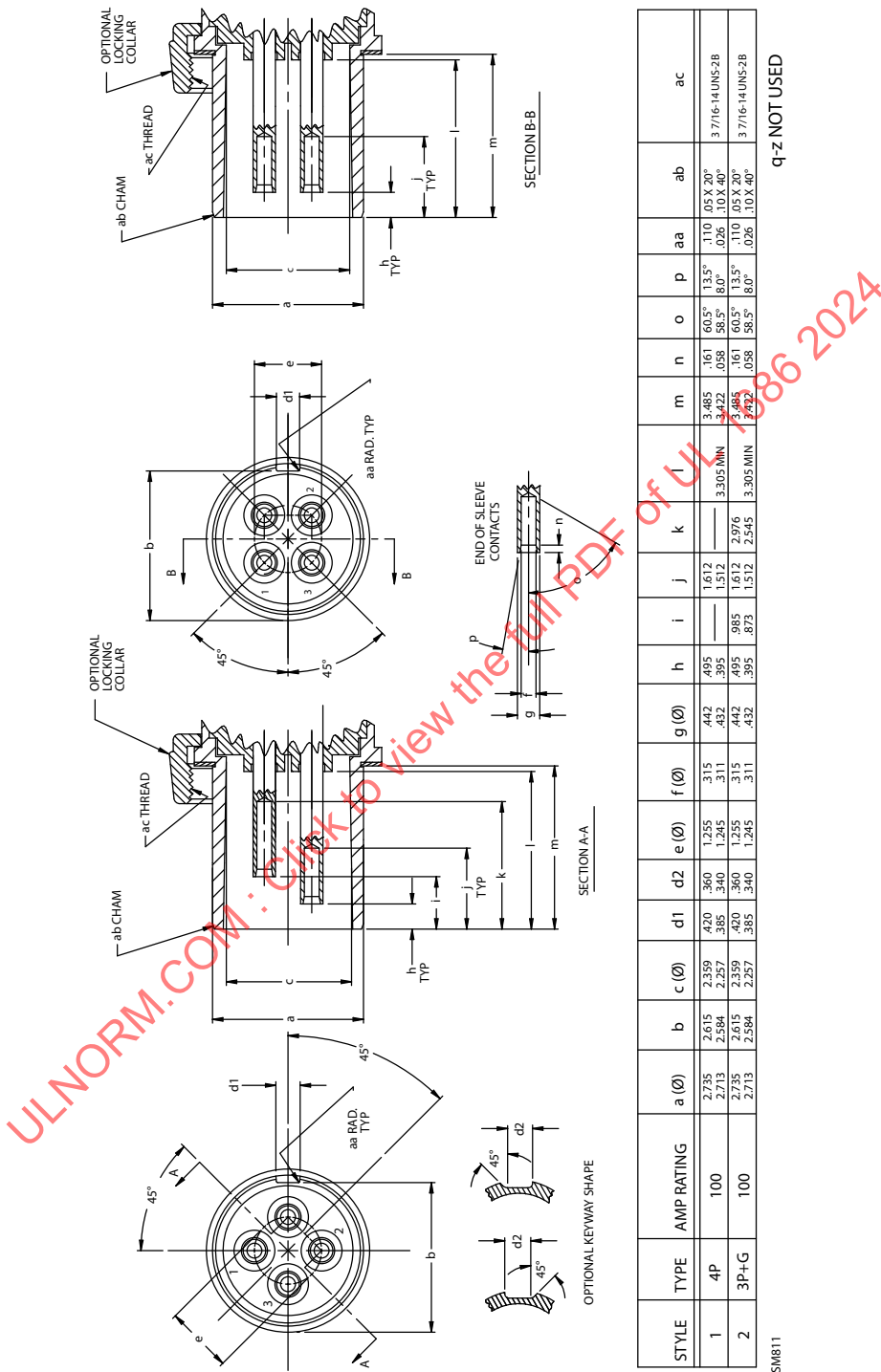
See notes 6 and 7.

Figure C1.9
Receptacles and Connectors



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

Figure C1.10
Plugs and Inlets



See note 6 and 7.

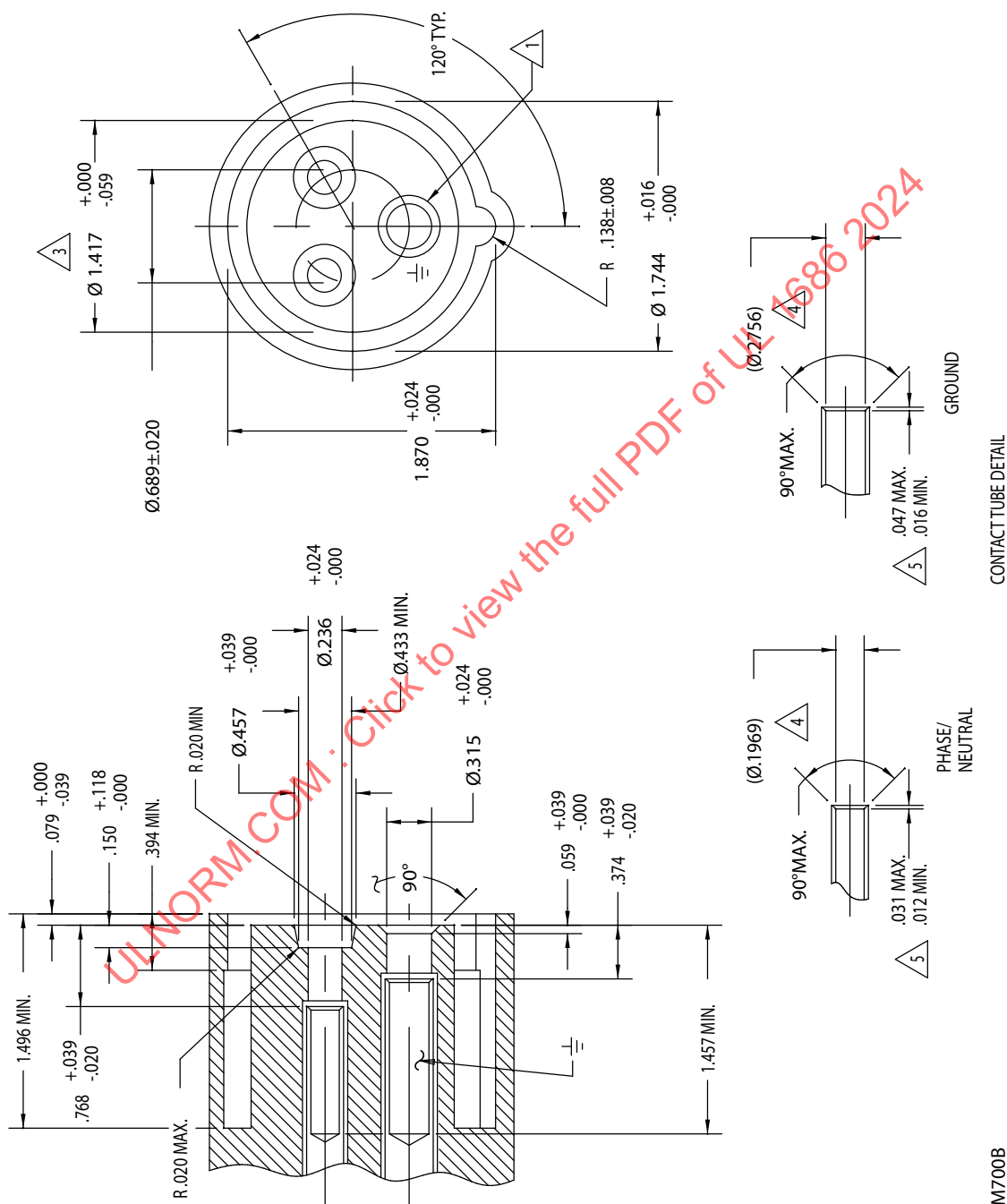
C2 Configurations

C2.1 [Figure C2.1](#) – [Figure C2.40](#) illustrate the configurations for plugs and inlets and for receptacles and connectors of single-rated Pin and Sleeve devices of the IEC 60309-2 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. Additionally, the following shall apply:

- 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 10 mm (0.394 inch).
- 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 6 mm (0.236 inch) 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.
 - 4) There shall not be more than one cut-out between adjacent holes for the contact tubes and each shall not have a width exceeding 15 mm (0.590 inch) including any radii. Holes deeper than 1 mm (0.394 inch) 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".

Figure C2.1
Receptacle or Connector
20 Ampere, 3 Wire Without Pilot



(Continued)

Figure C2.1 (cont.)

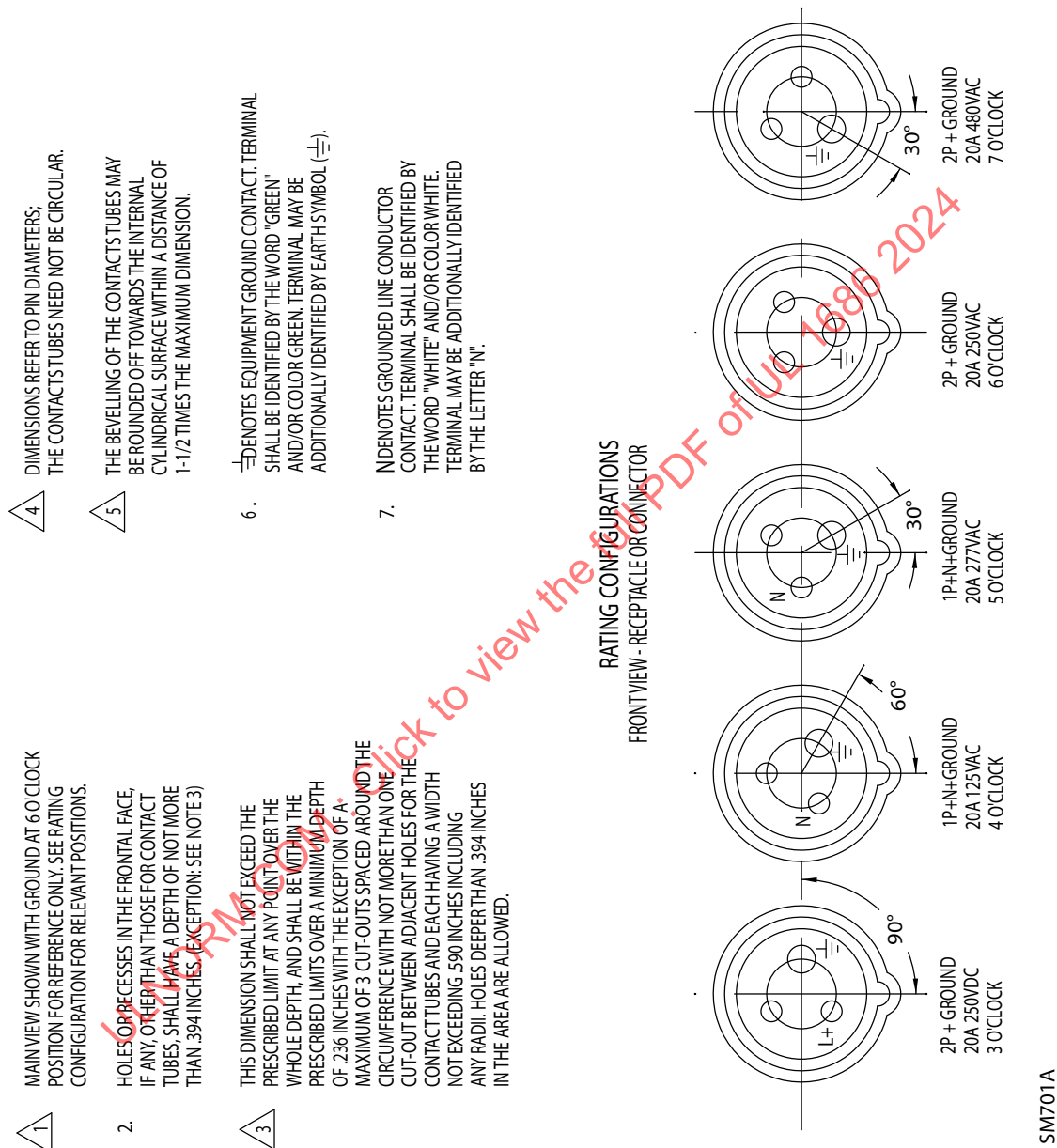
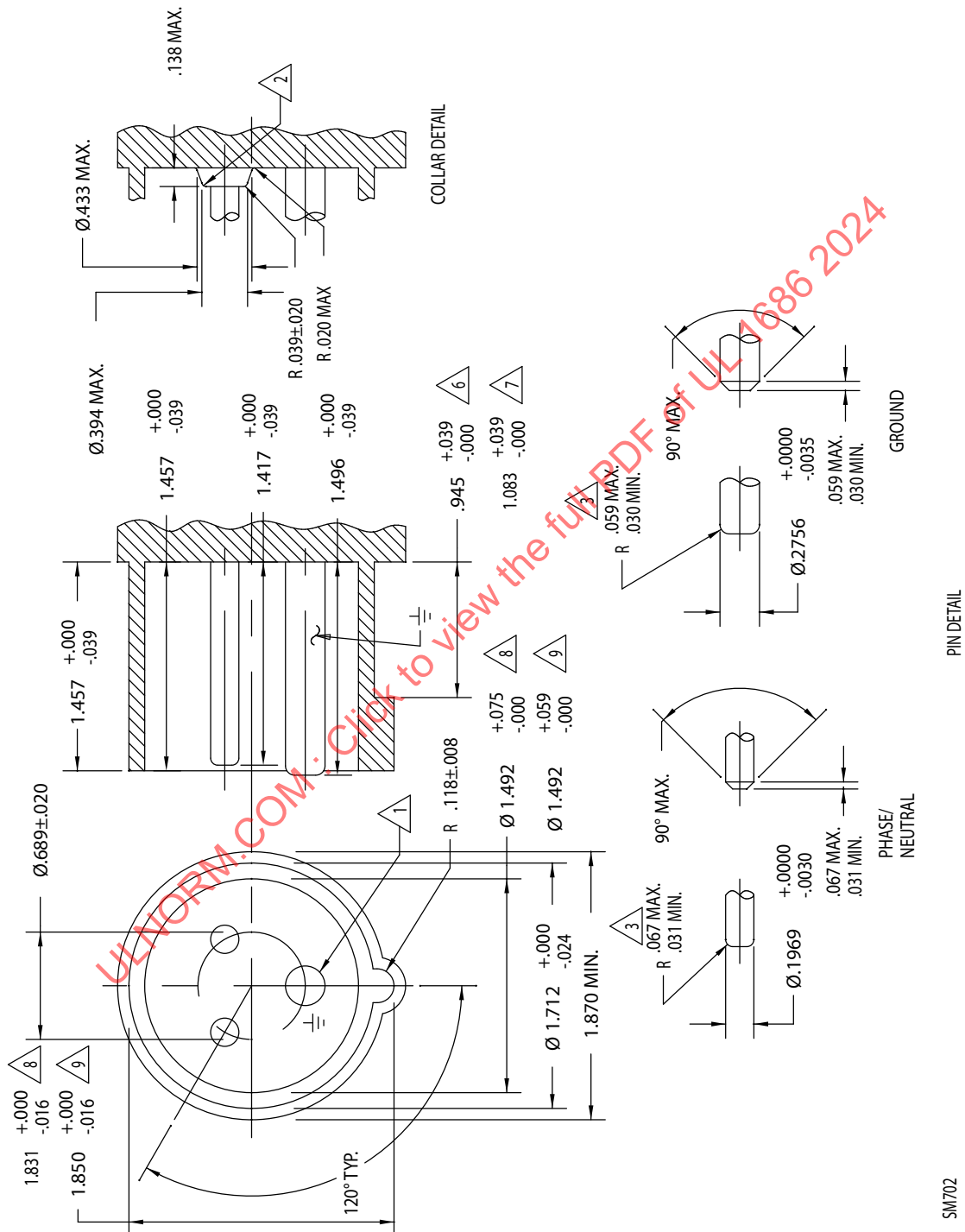


Figure C2.2

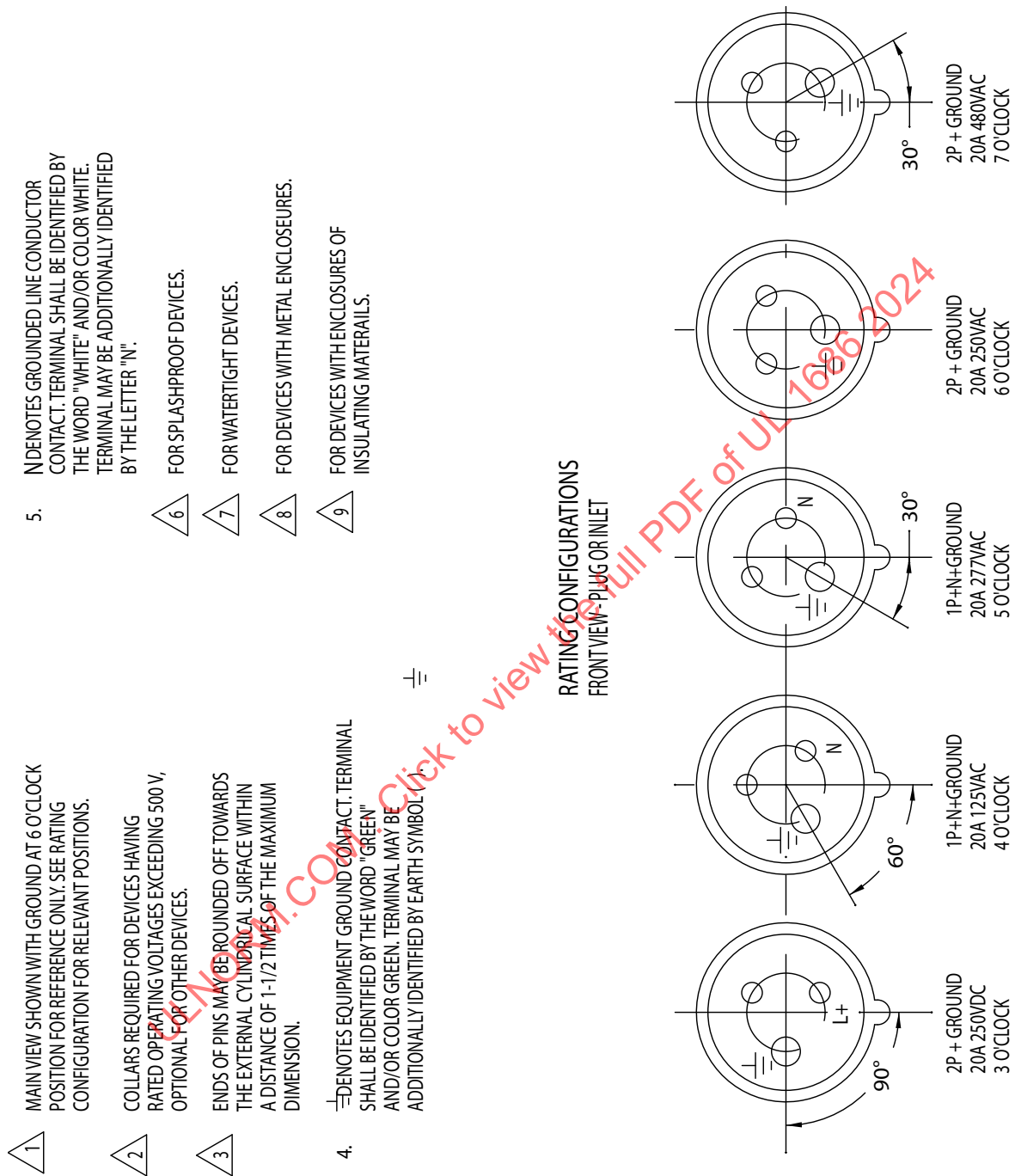
Plug or Inlet

20 Ampere, 3 Wire Without Pilot



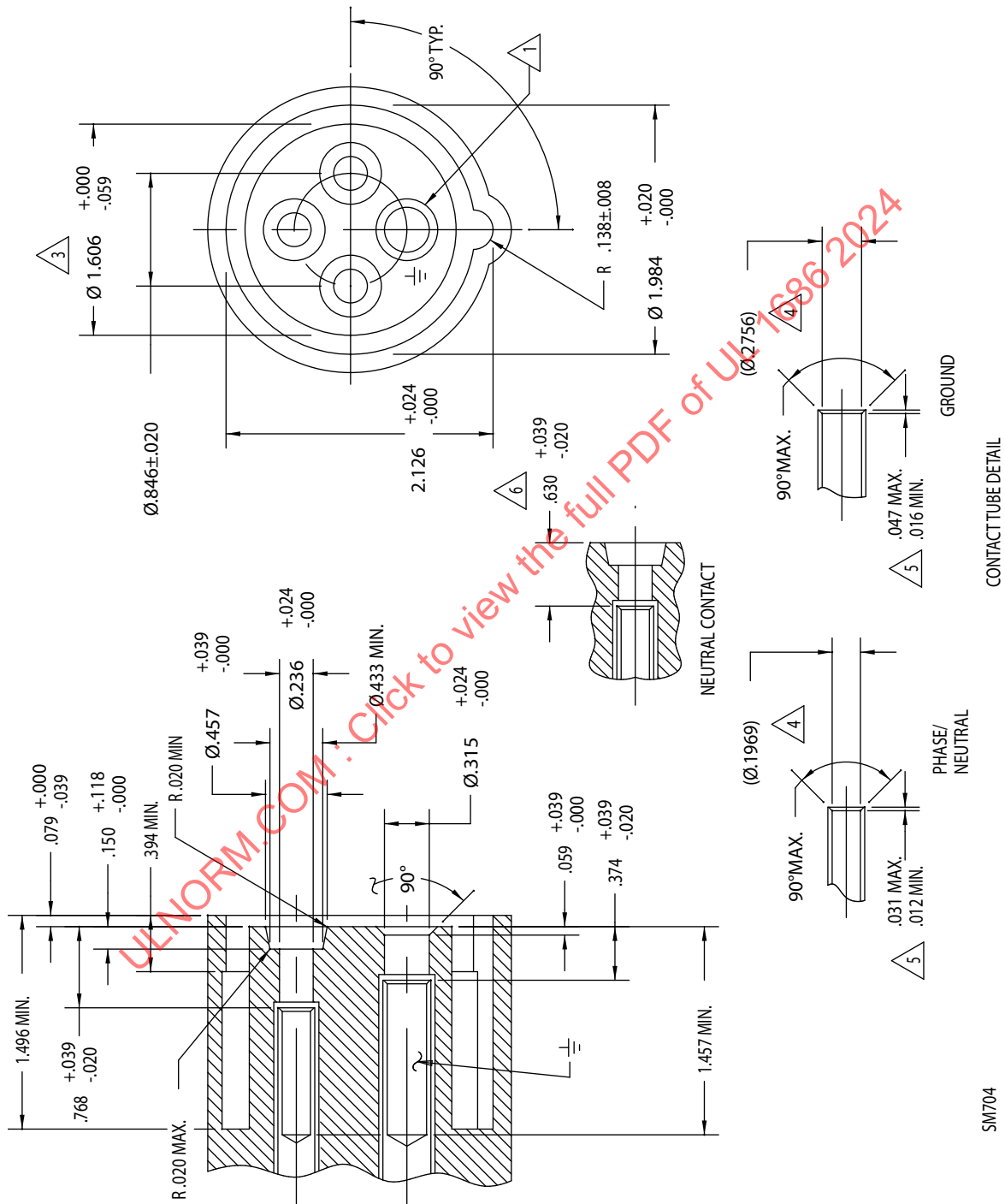
(Continued)

Figure C2.2 (cont.)



SM703

Figure C2.3
Receptacle or Connector
20 Ampere, 4 Wire Without Pilot



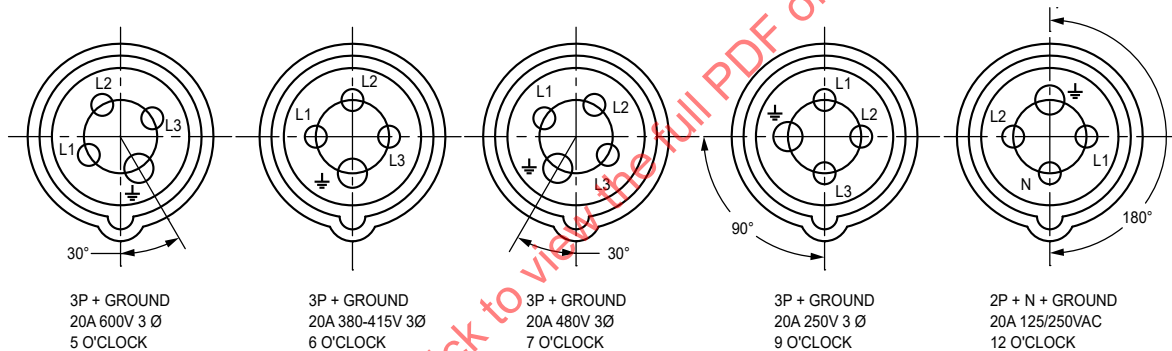
(Continued)

SM704

Figure C2.3 (Cont'd)

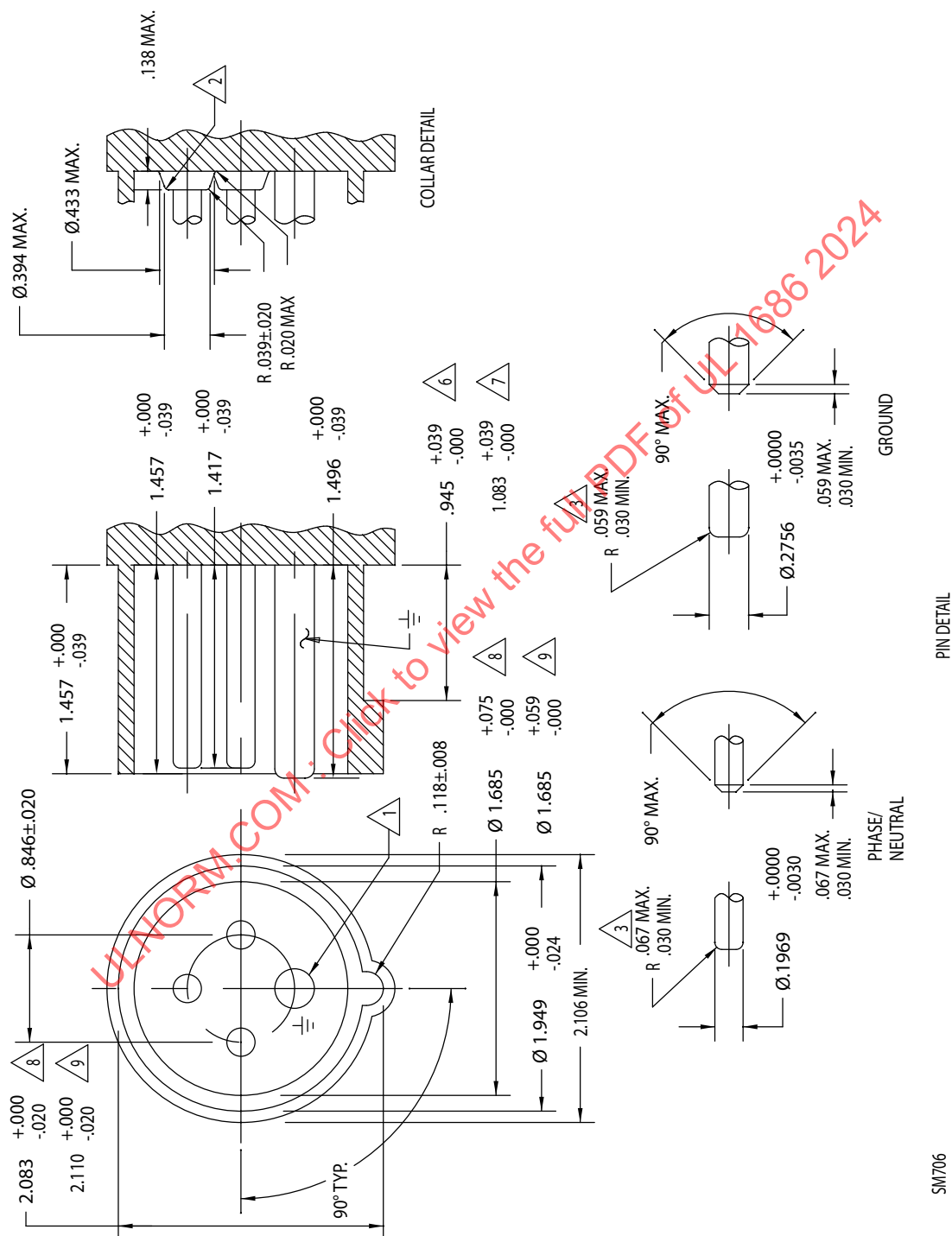
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL 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



su1352

Figure C2.4
Plug or Inlet
20 Ampere, 4 Wire Without Pilot

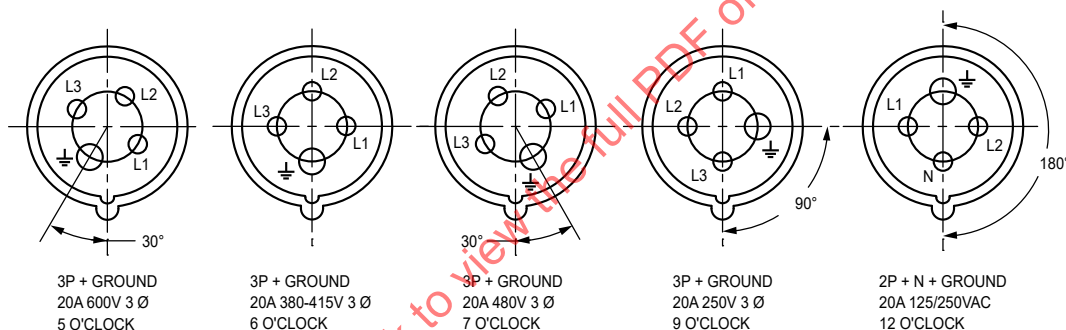


(Continued)

Figure C2.4 (Cont.)

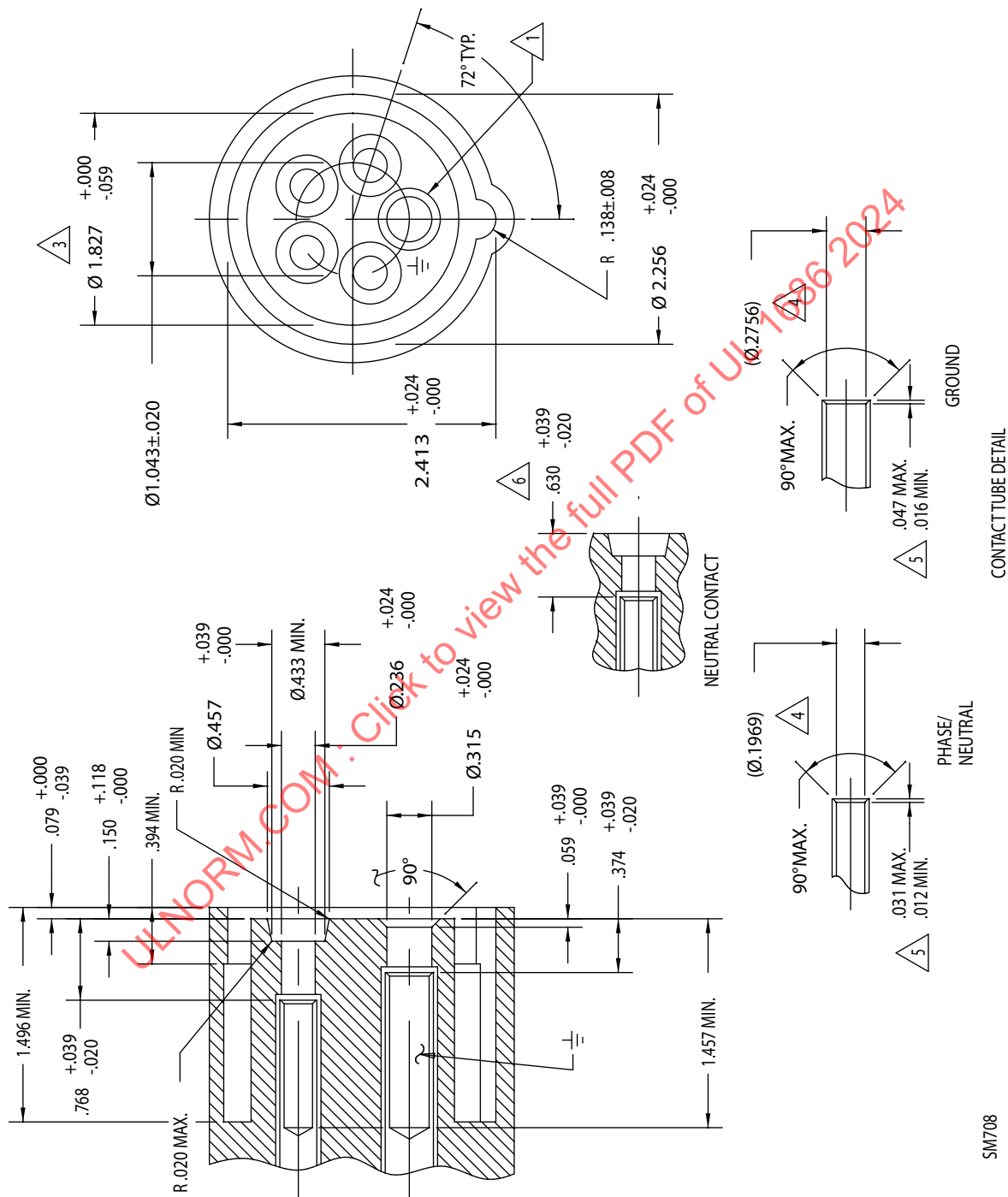
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE 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



su1353

Figure C2.5
Receptacle or Connector
20 Ampere, 5 Wire Without Pilot

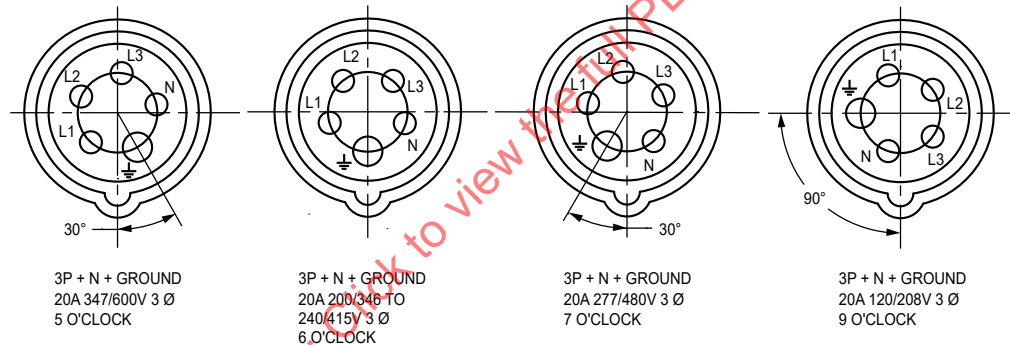


(Continued)

Figure C2.5 (Cont.)

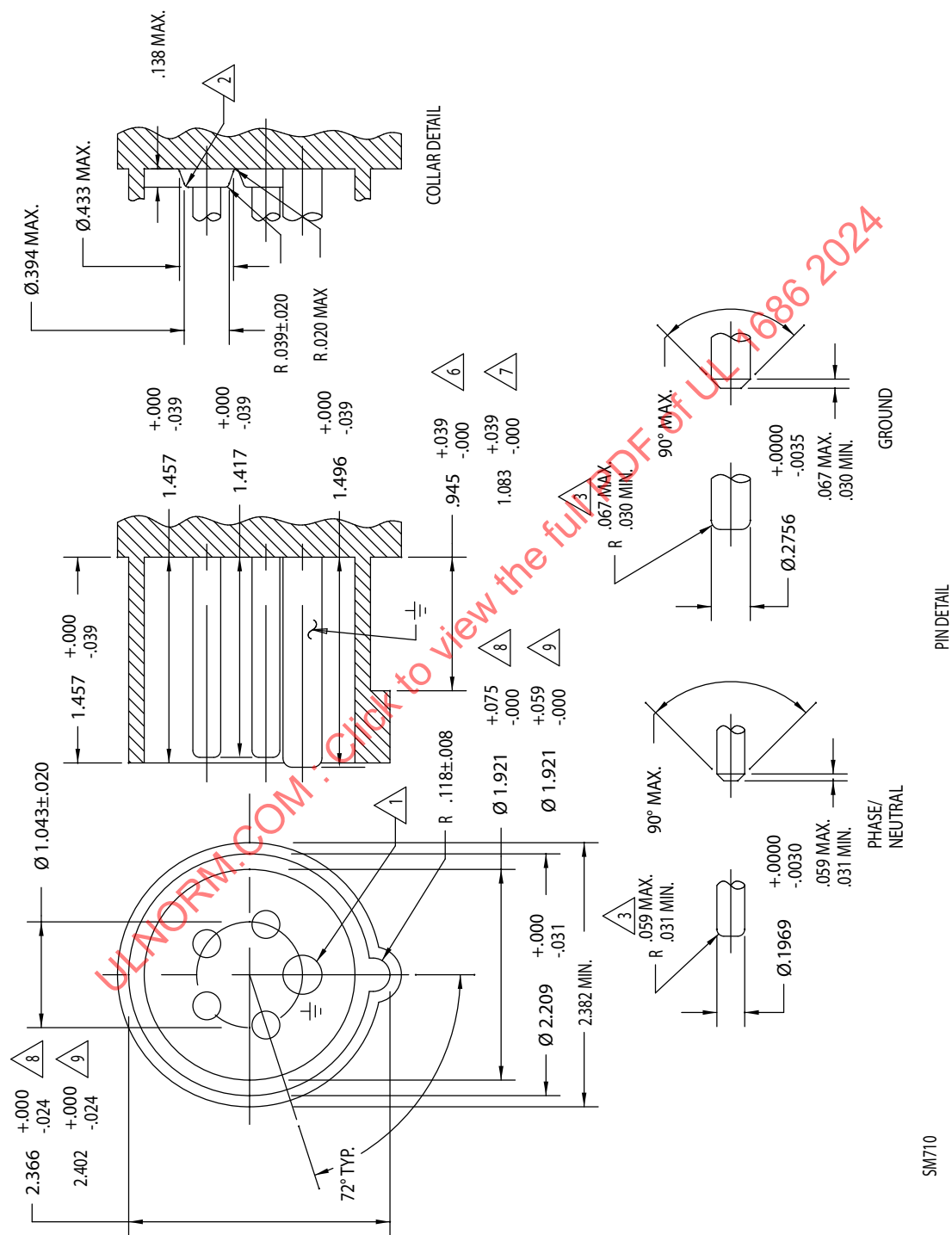
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL 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



su1354

Figure C2.6
Plug or Inlet
20 Ampere, 5 Wire Without Pilot

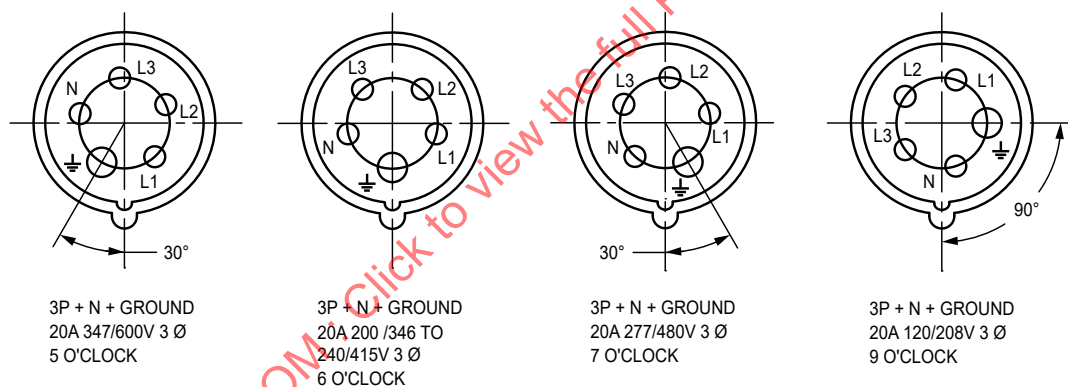


(Continued)

Figure C2.6 (Cont.)

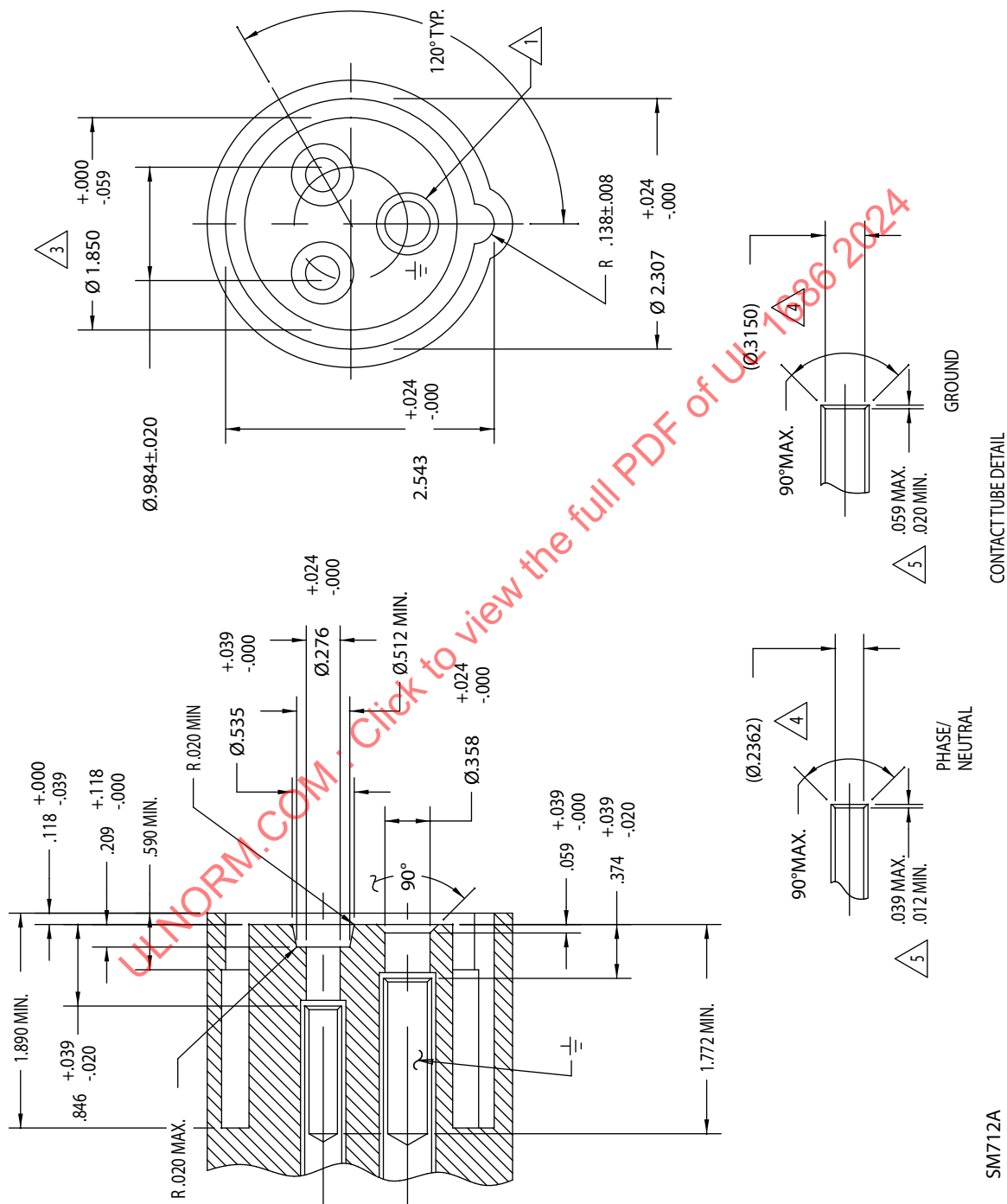
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
3. ENDS OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE 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



su1355

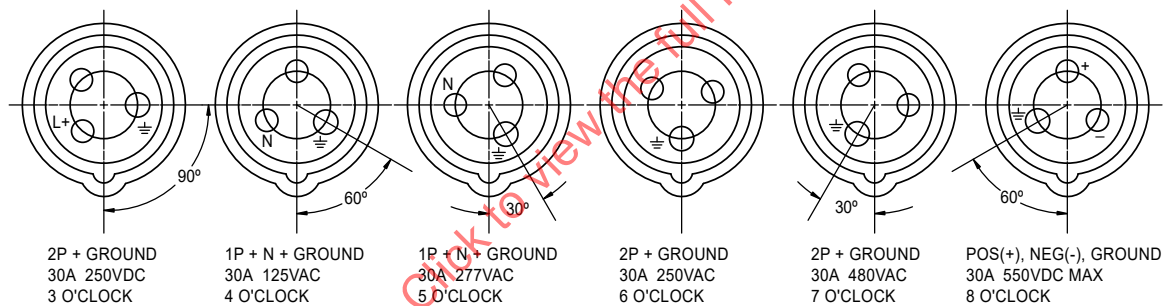
Figure C2.7
Receptacle or Connector
30 Ampere, 3 Wire Without Pilot



(Continued)

Figure C2.7 (Cont.)

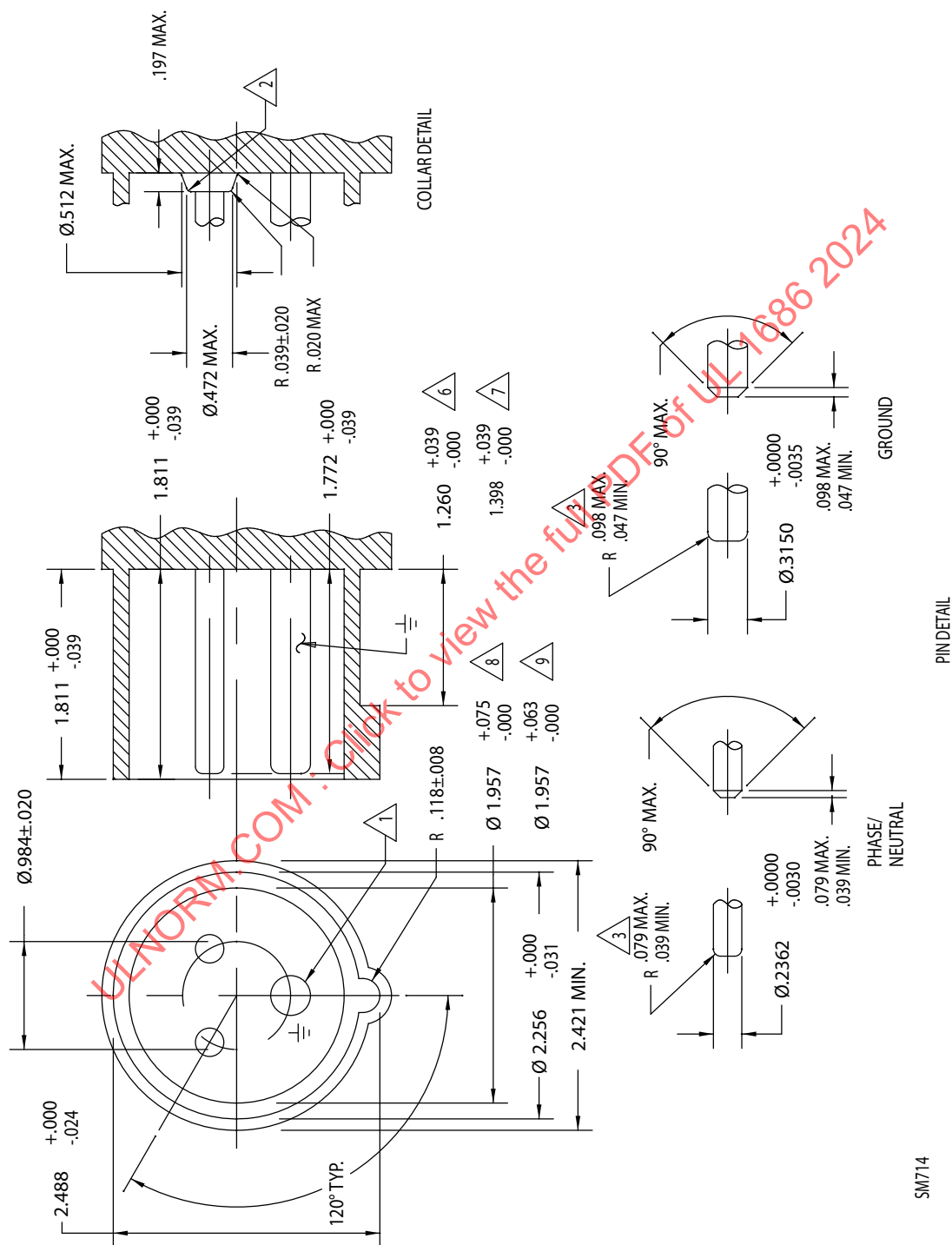
1. MAIN VIEW SHOWN WITH GROUND AT 6 O' CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL 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

su0698

FIGURE C2.7 (CONT.)

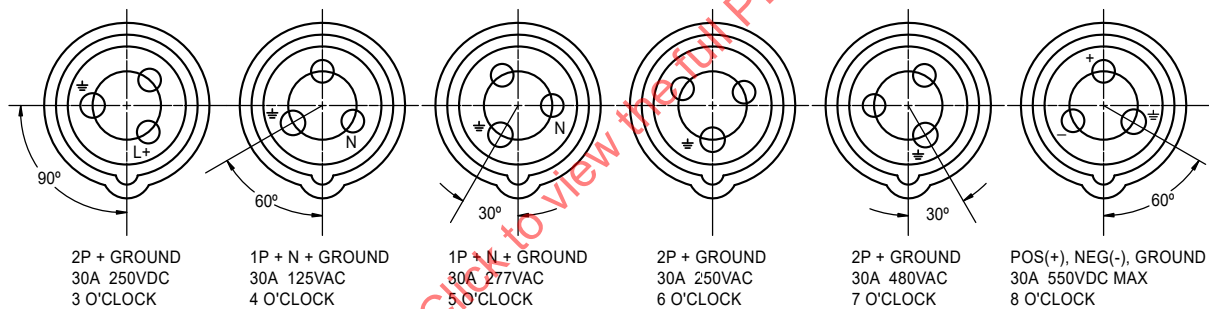
Figure C2.8
Plug or Receptacle
30 Ampere, 3 Wire Without Plot



(Continued)

Figure C2.8 (Cont.)

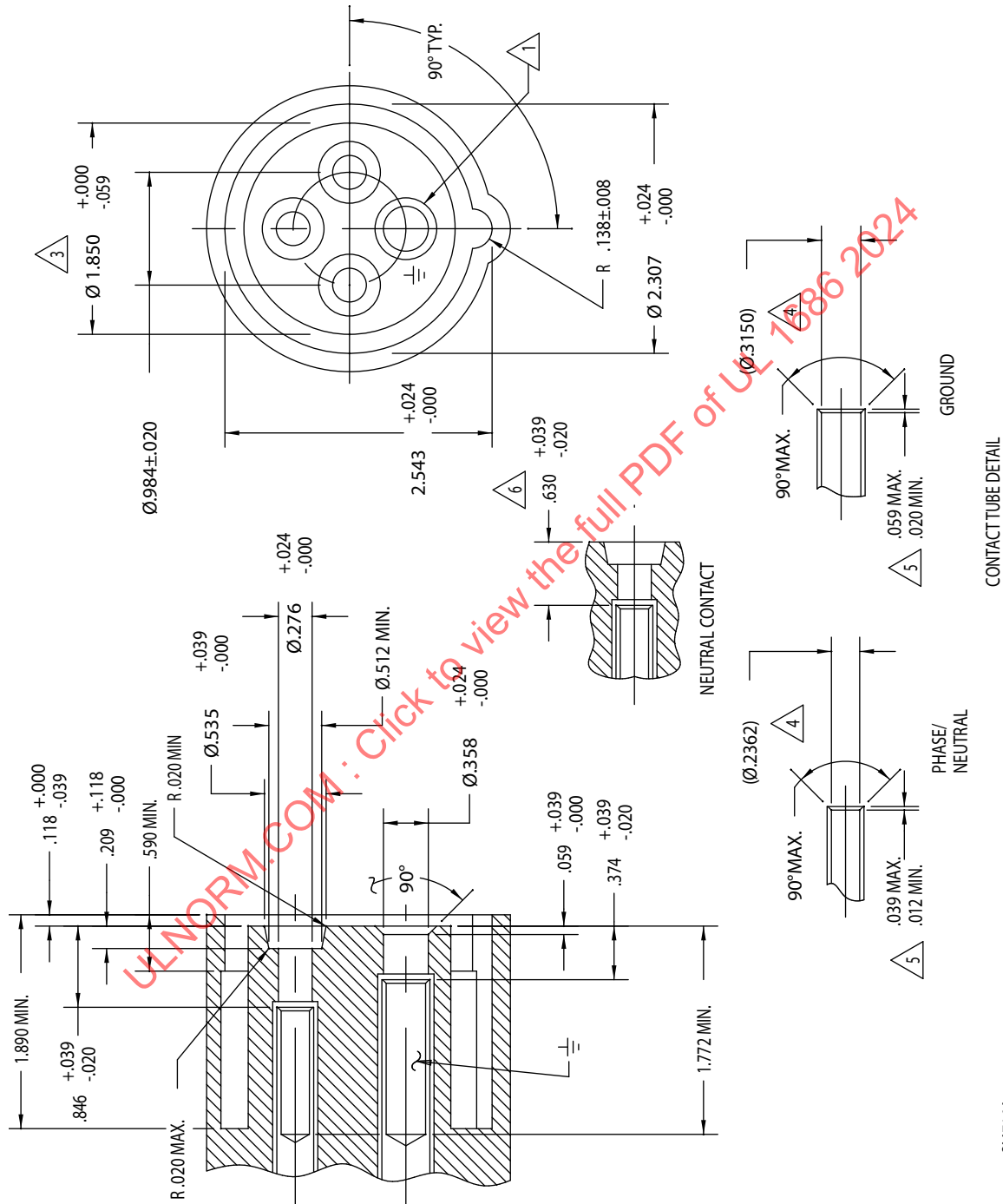
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V. OPTIONAL FOR OTHER DEVICES.
3. END OF PINS MAY BE ROUNDED OFF TOWARDS THE EXTERNAL CYLINDRICAL SURFACE WITHIN A DISTANCE OF 1-1/2 TIMES OF THE MAXIMUM DIMENSIONS.
4. $\perp$ 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. $\triangle$ FOR SPLASHPROOF DEVICES.
7. ∇ FOR WATERTIGHT DEVICES.
8. $\square$ FOR DEVICES WITH METAL ENCLOSURES.
9. $\diamond$ FOR DEVICES WITH ENCLOSURES OF INSULATING MATERIALS.

RATING CONFIGURATIONS
FRONT VIEW - PLUG OR INLET

su0699

FIGURE C2.8 (CONT.)

Figure C2.9
Receptacle or Connector
30 Ampere, 4 Wire Without Pilot



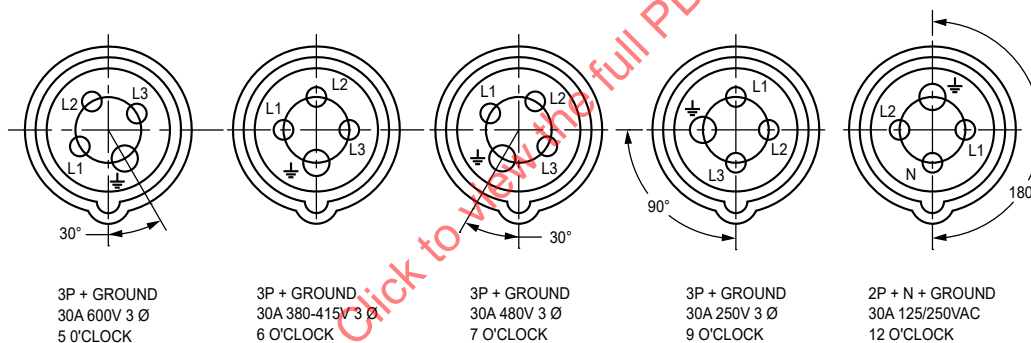
SM716A

(Continued)

Figure C2.9 (Cont.)

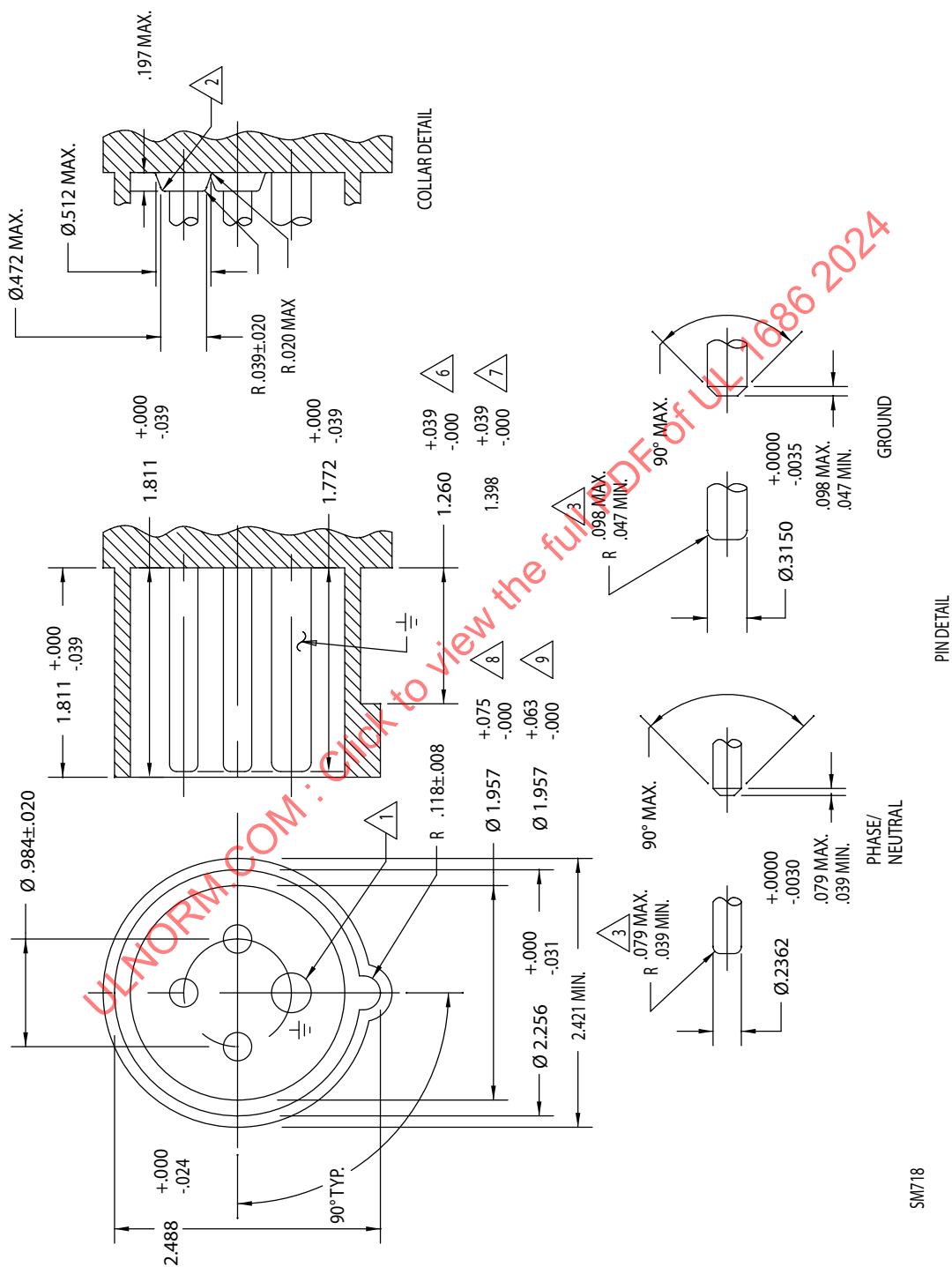
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTION: SEE NOTE 3)
3. THIS DIMENSION SHALL 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



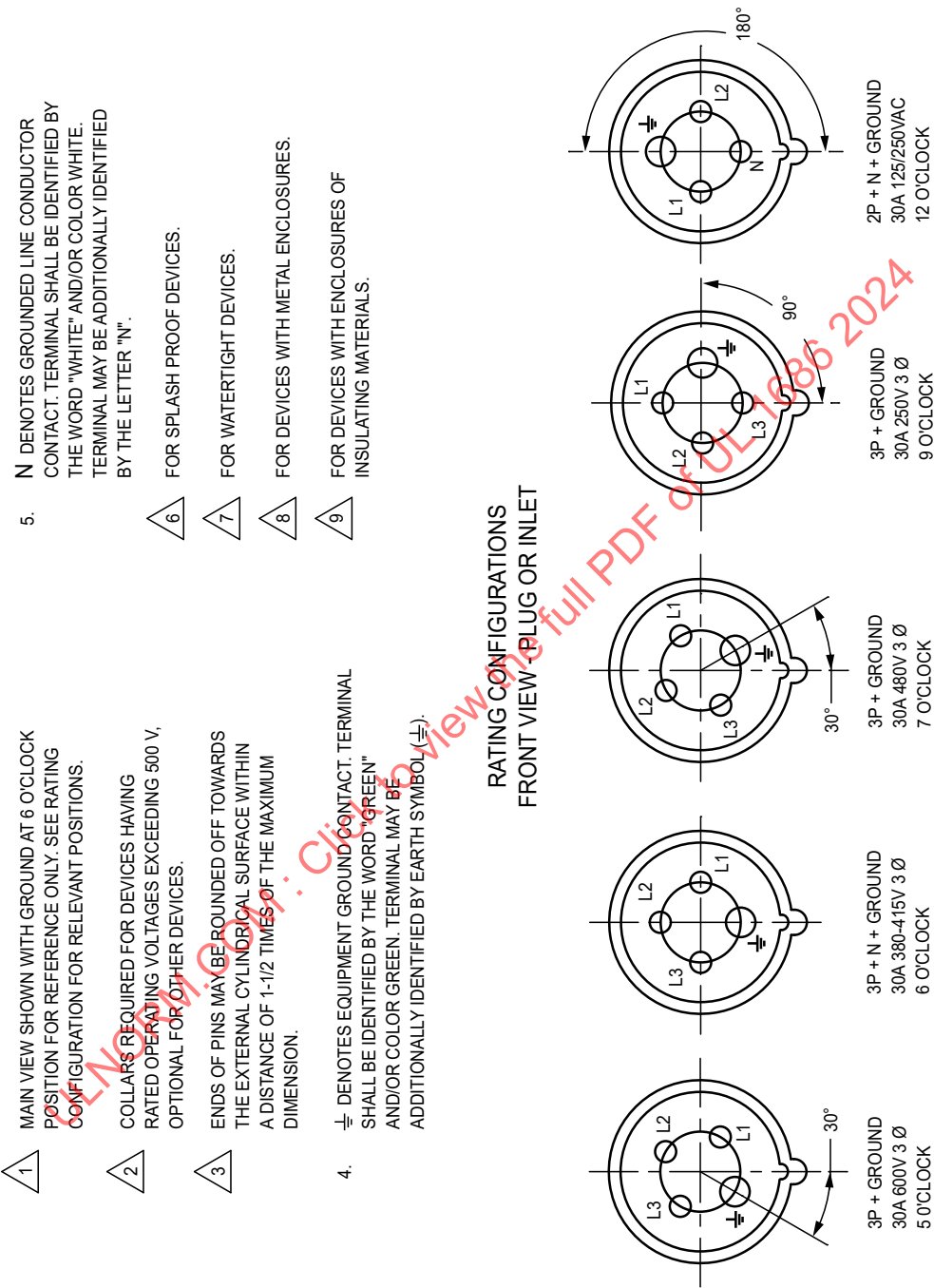
su1356

Figure C2.10
Plug or Inlet
30 Ampere, 4 Wire Without Pilot



(Continued)

Figure C2.10 (Cont.)

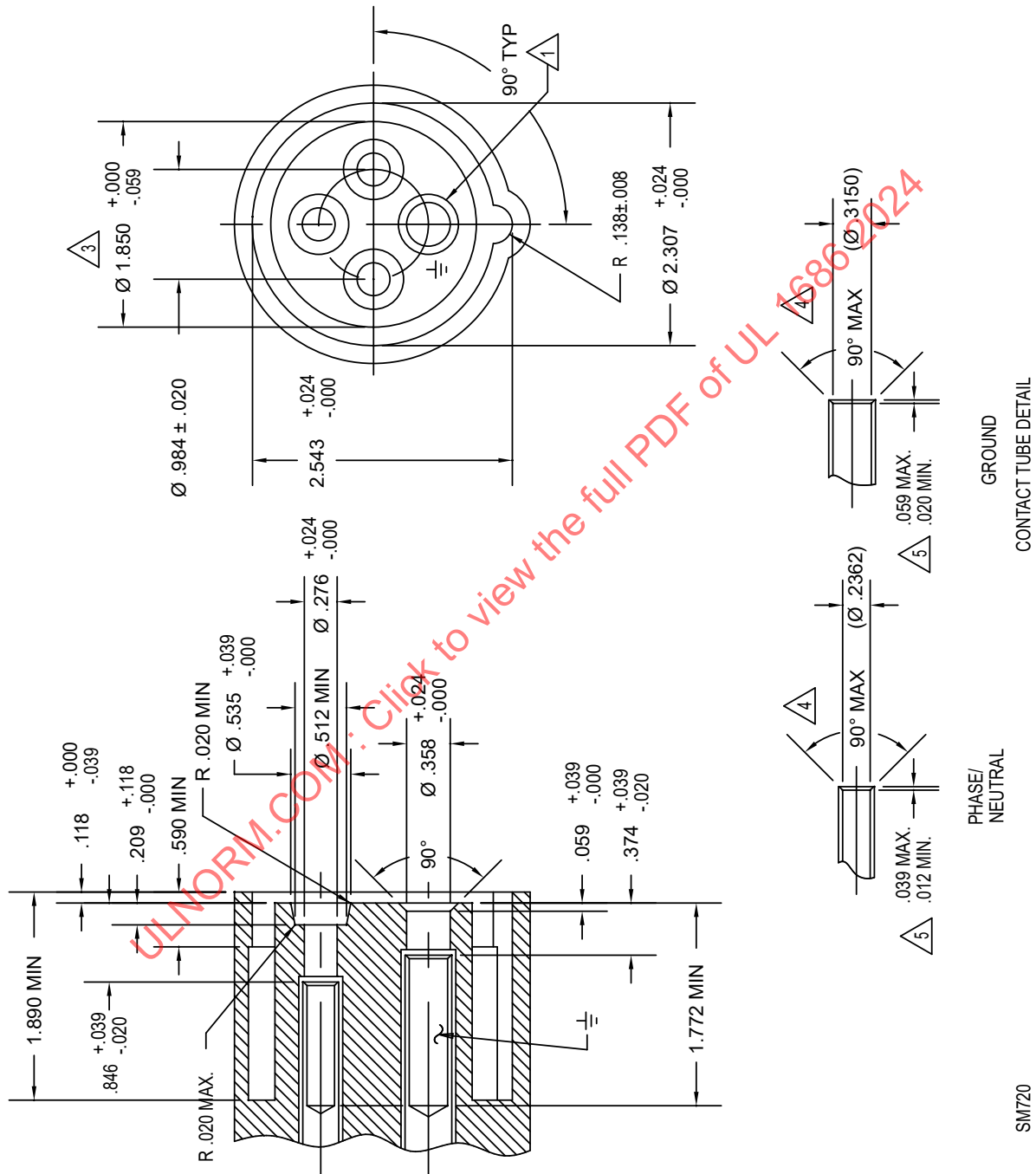


su1357

Figure C2.11

Receptacle or Connector

32/30 Ampere, 4 Wire Without Pilot Only for Refrigerated Containers

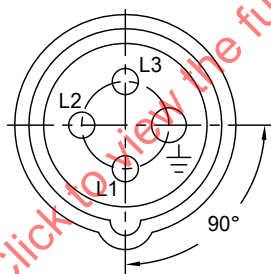


(Continued)

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



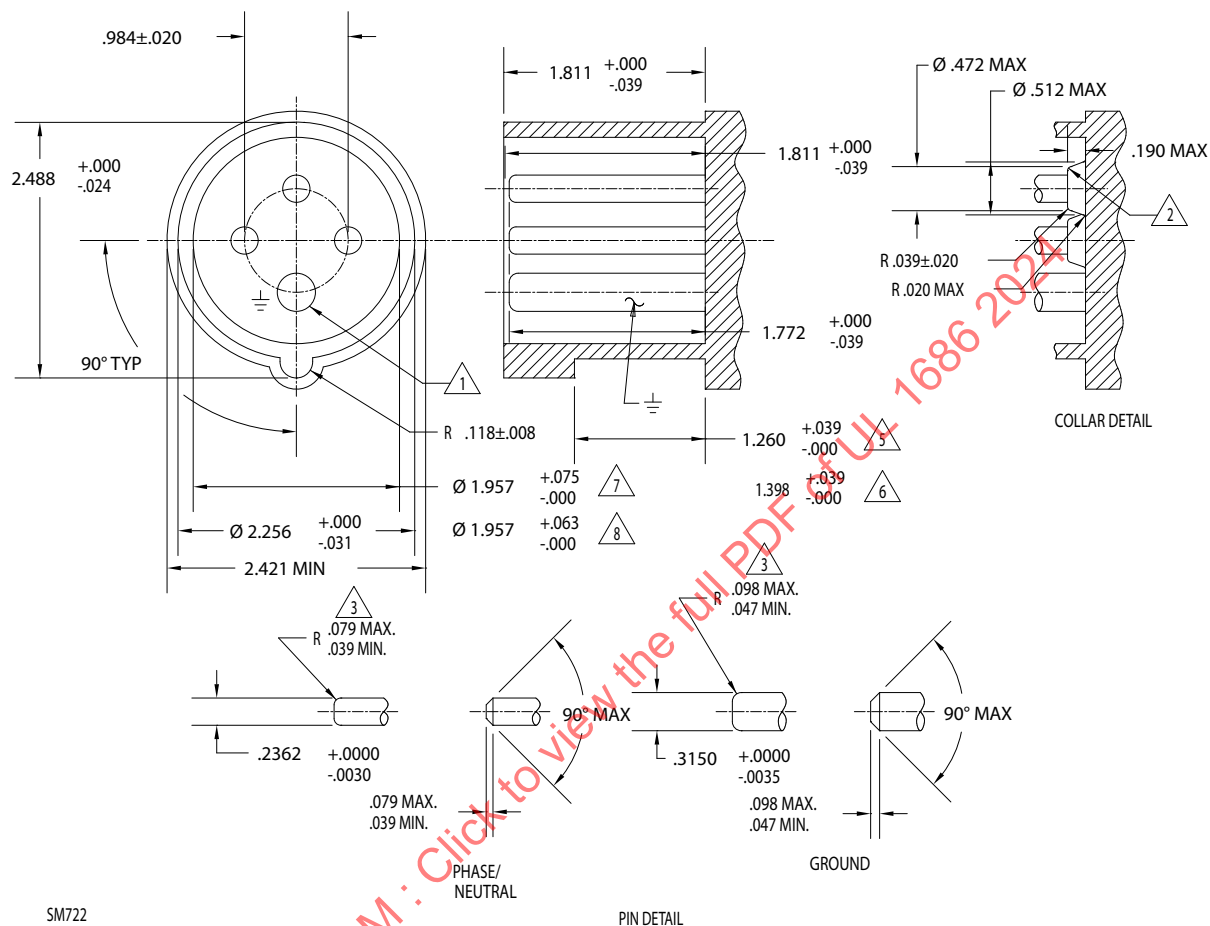
3P + GROUND
30A 440V 60Hz
32A 380V 60Hz
ONLY FOR REFRIGERATED CONTAINERS
3 O'CLOCK

SM721b

Figure C2.12

Plug or Inlet

32/30 Ampere, 4 Wire Without Pilot Only for Refrigerated Containers



SM722

(Continued)

Figure C2.12 (Cont.)

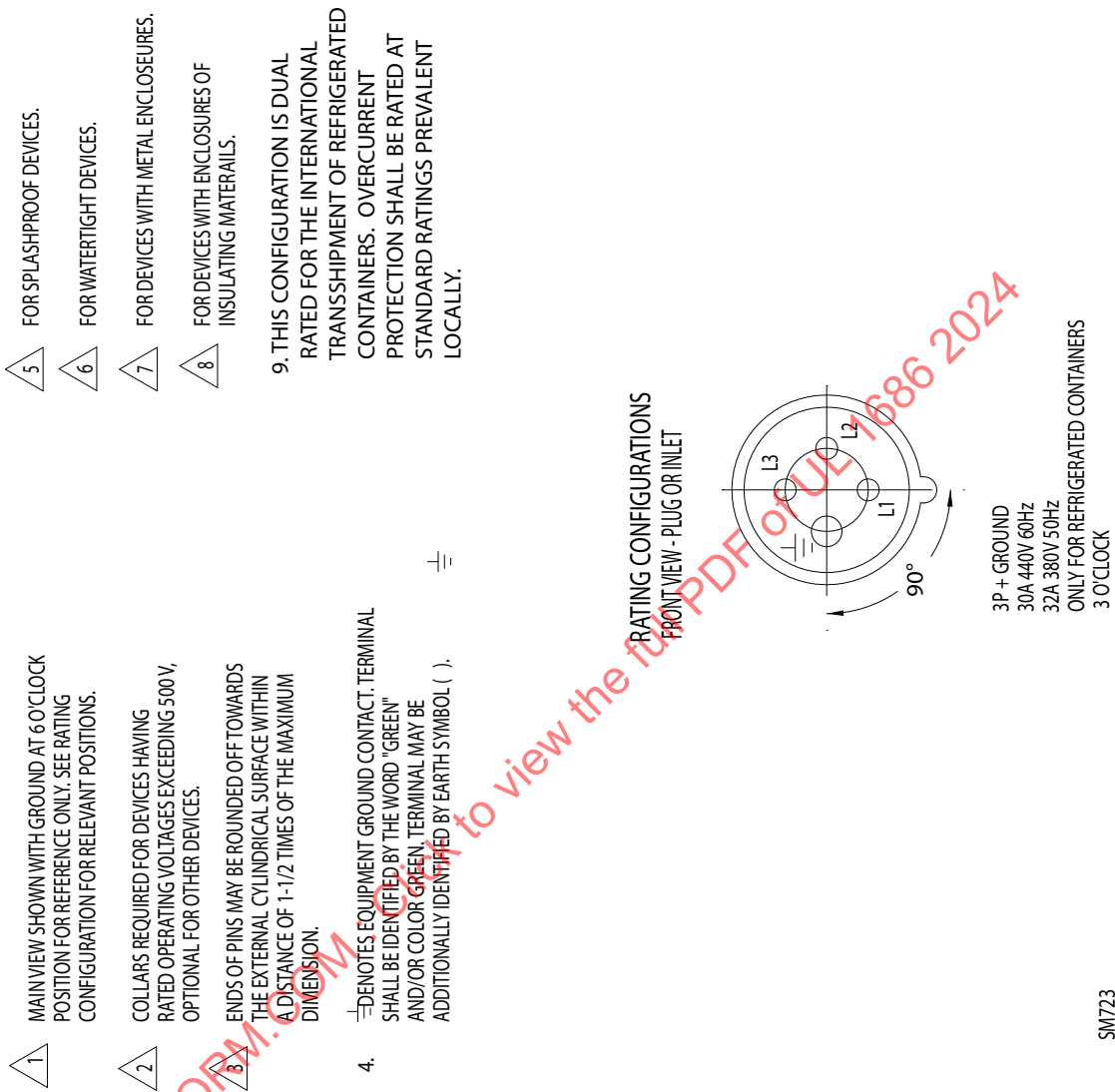
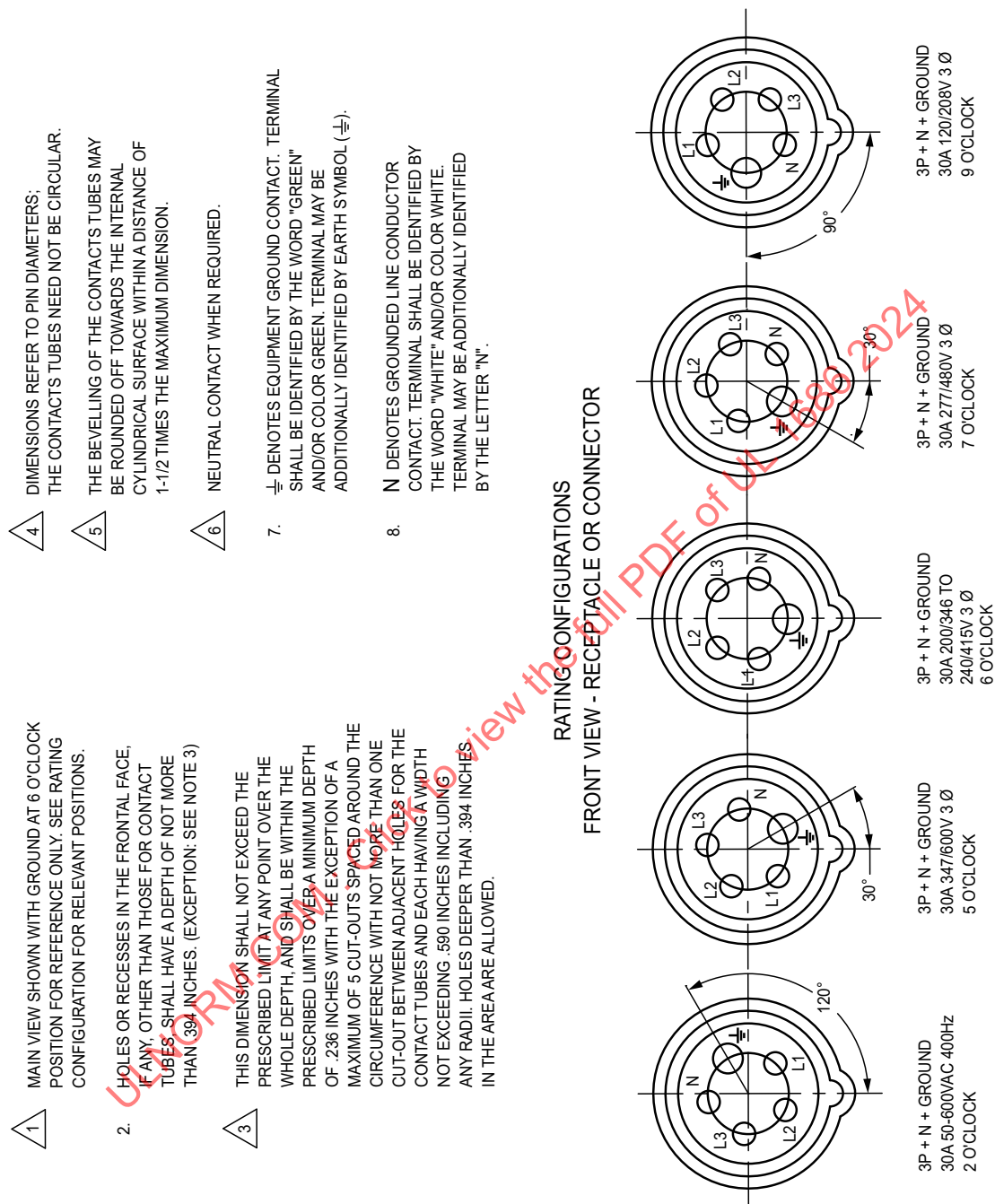
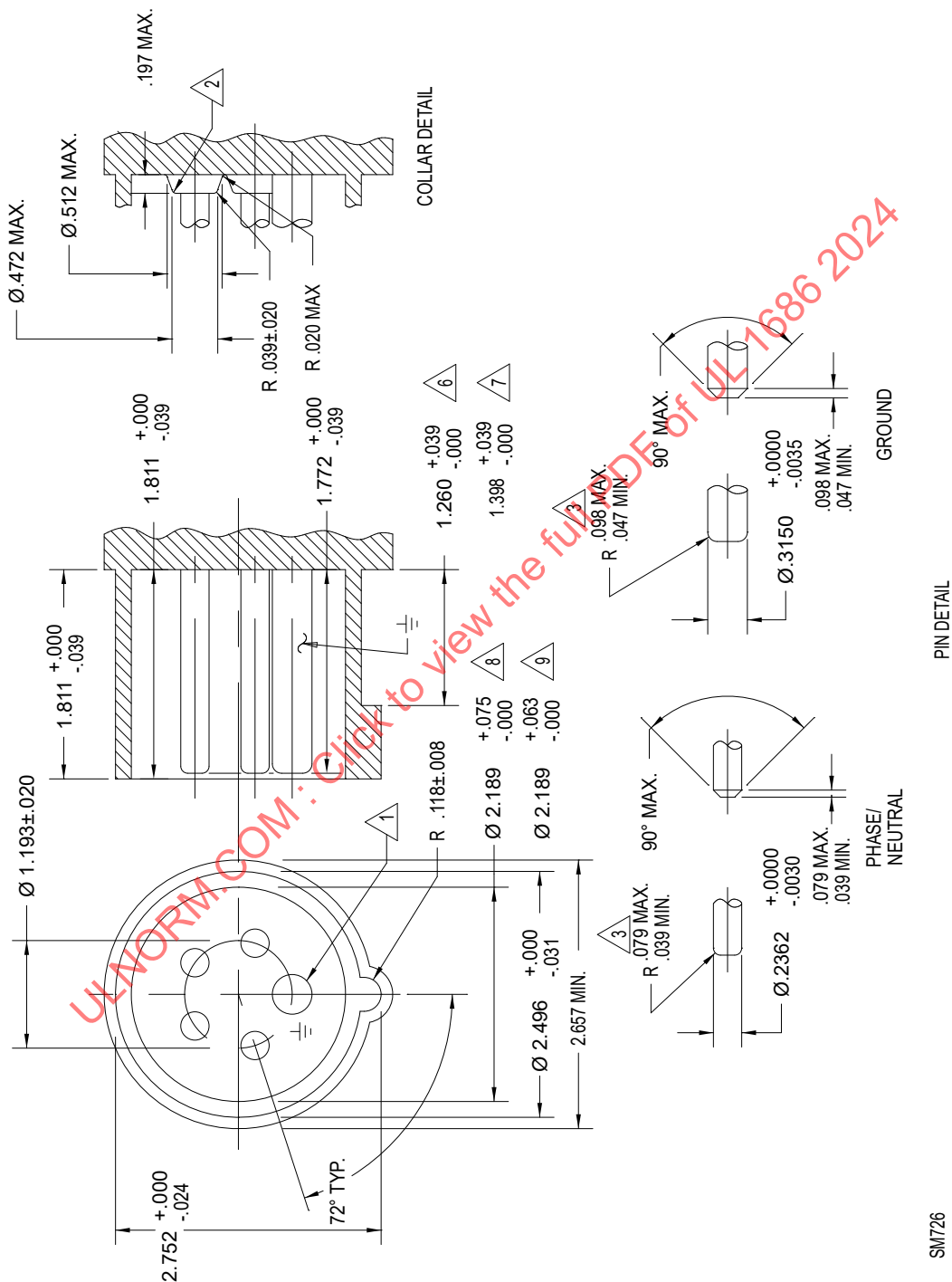


Figure C2.13 (Cont.)



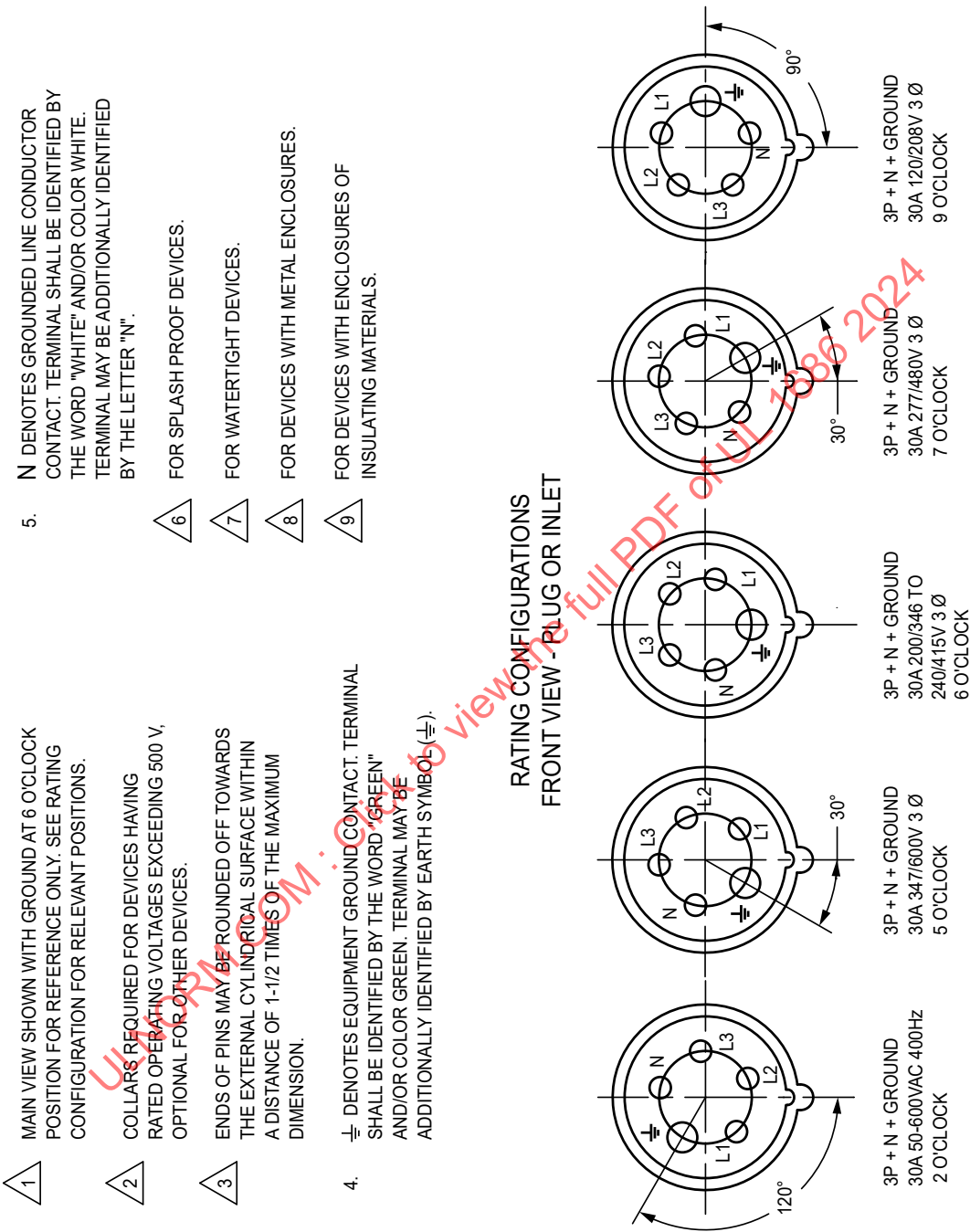
su1358

Figure C2.14
Plug or Inlet
30 Ampere, 5 Wire Without Pilot



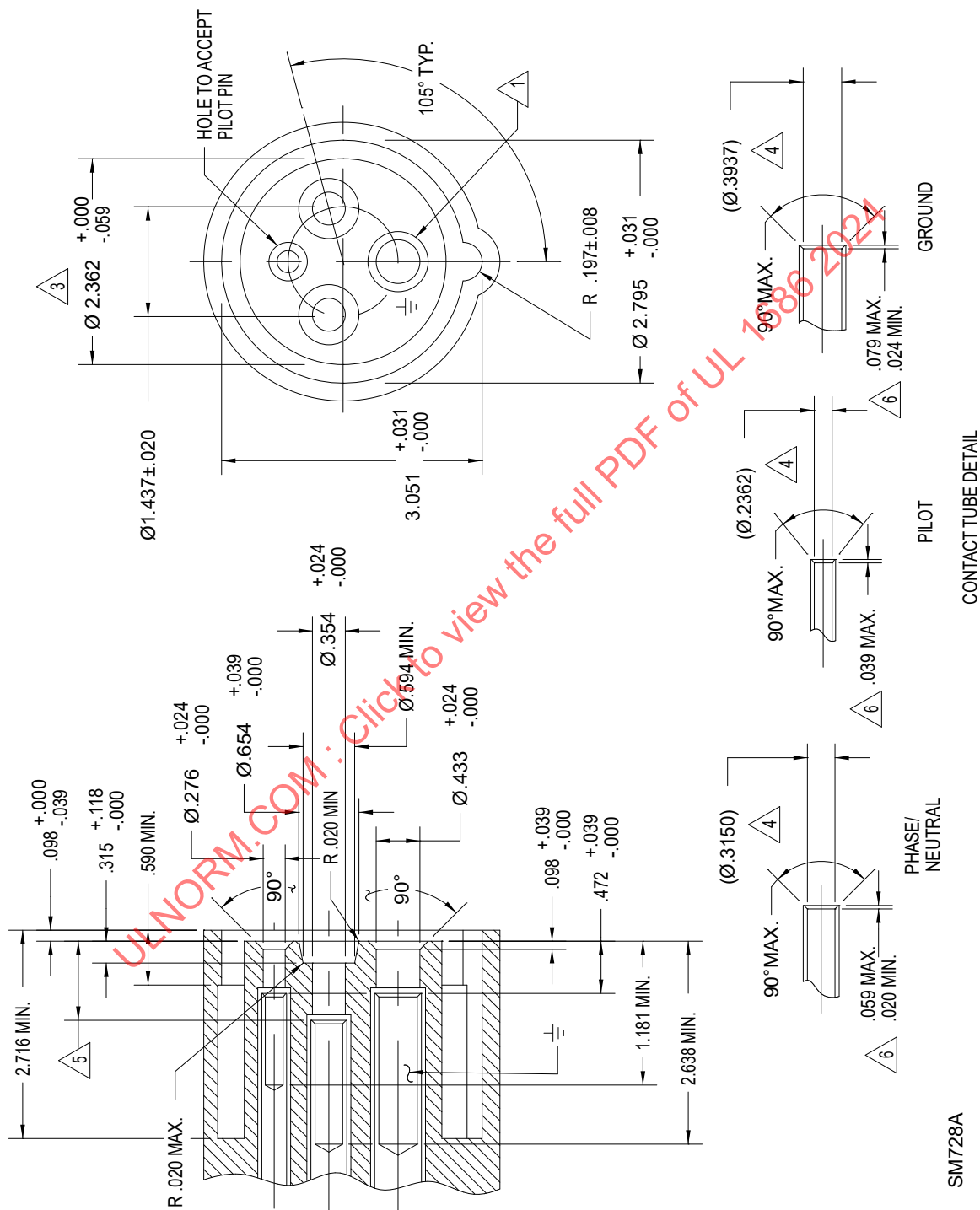
(Continued)

Figure C2.14 (Cont.)



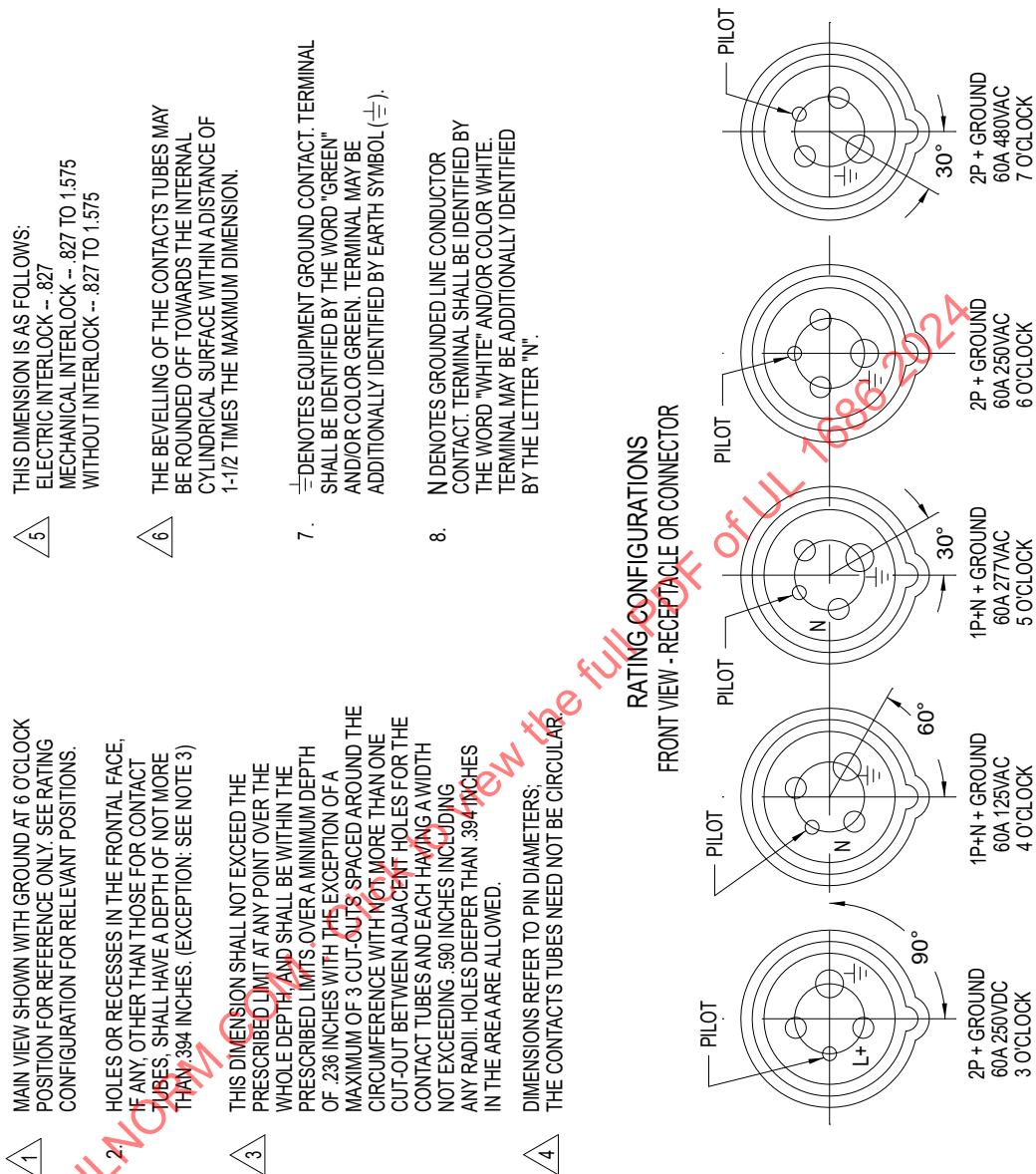
su1359

Figure C2.15
Receptacle or Connector
60 Ampere, 3 Wire With Pilot



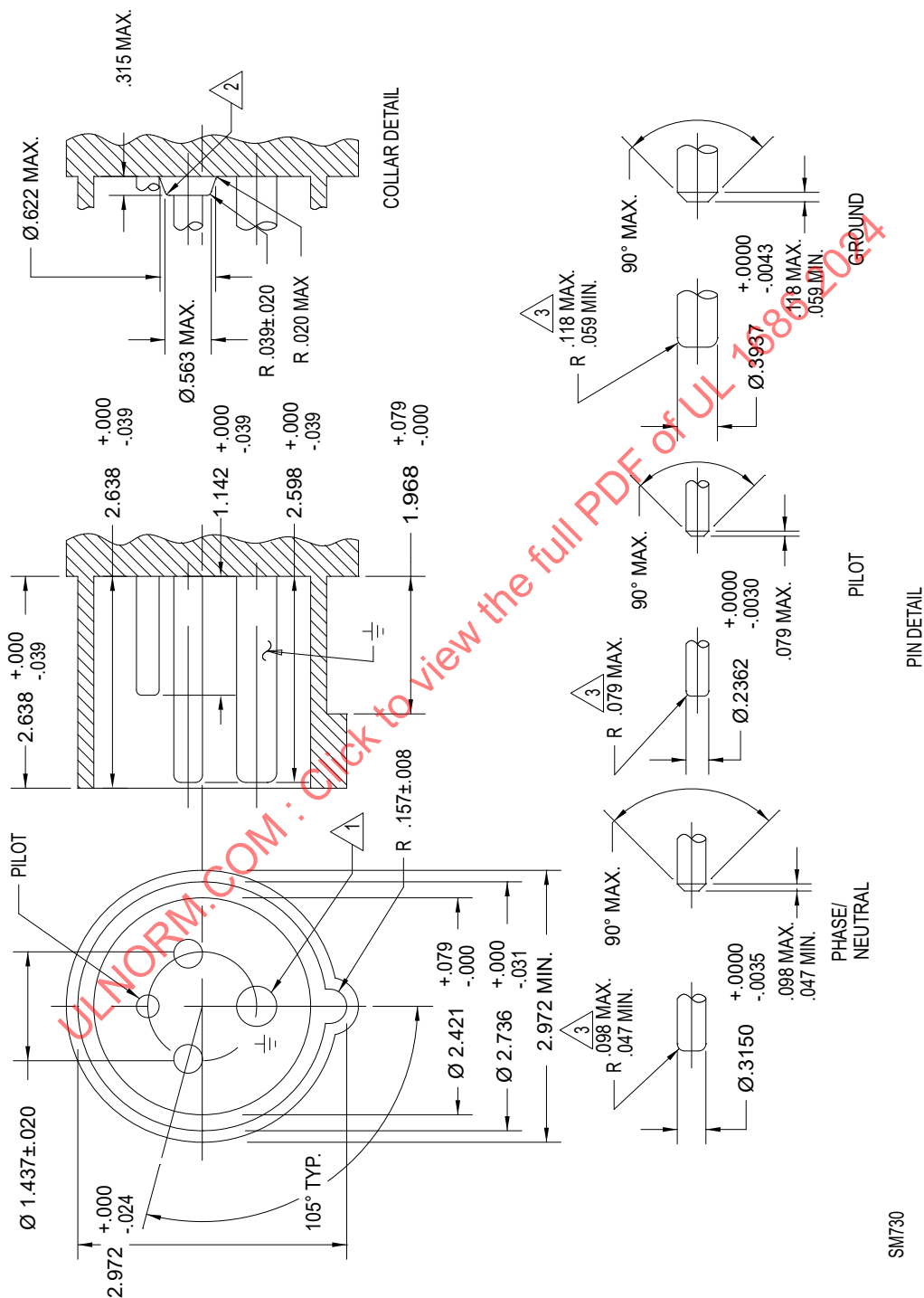
(Continued)

Figure C2.15 (Cont.)



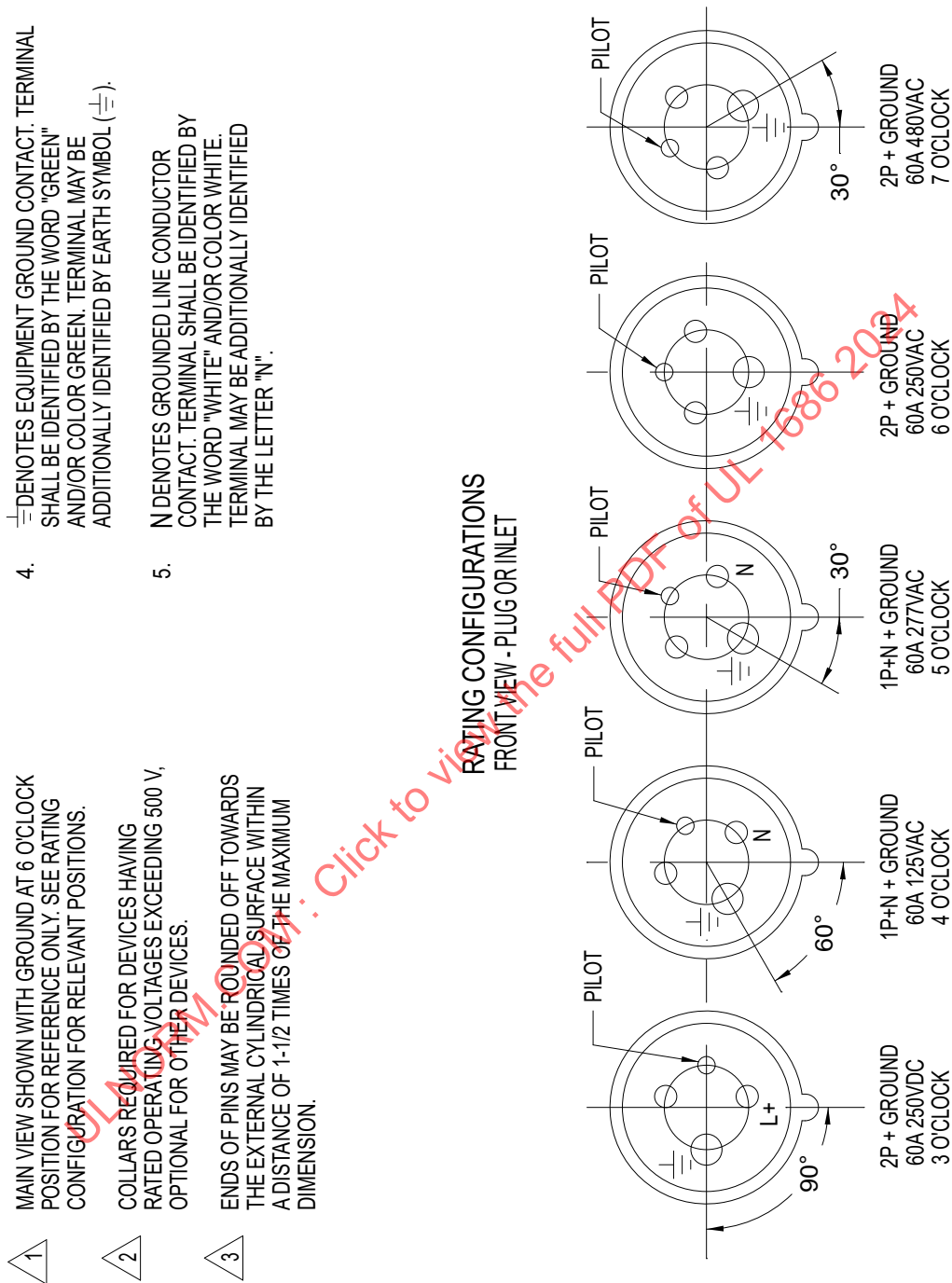
SM729A

Figure C2.16
Plug or Inlet
60 Ampere, 3 Wire With Pilot



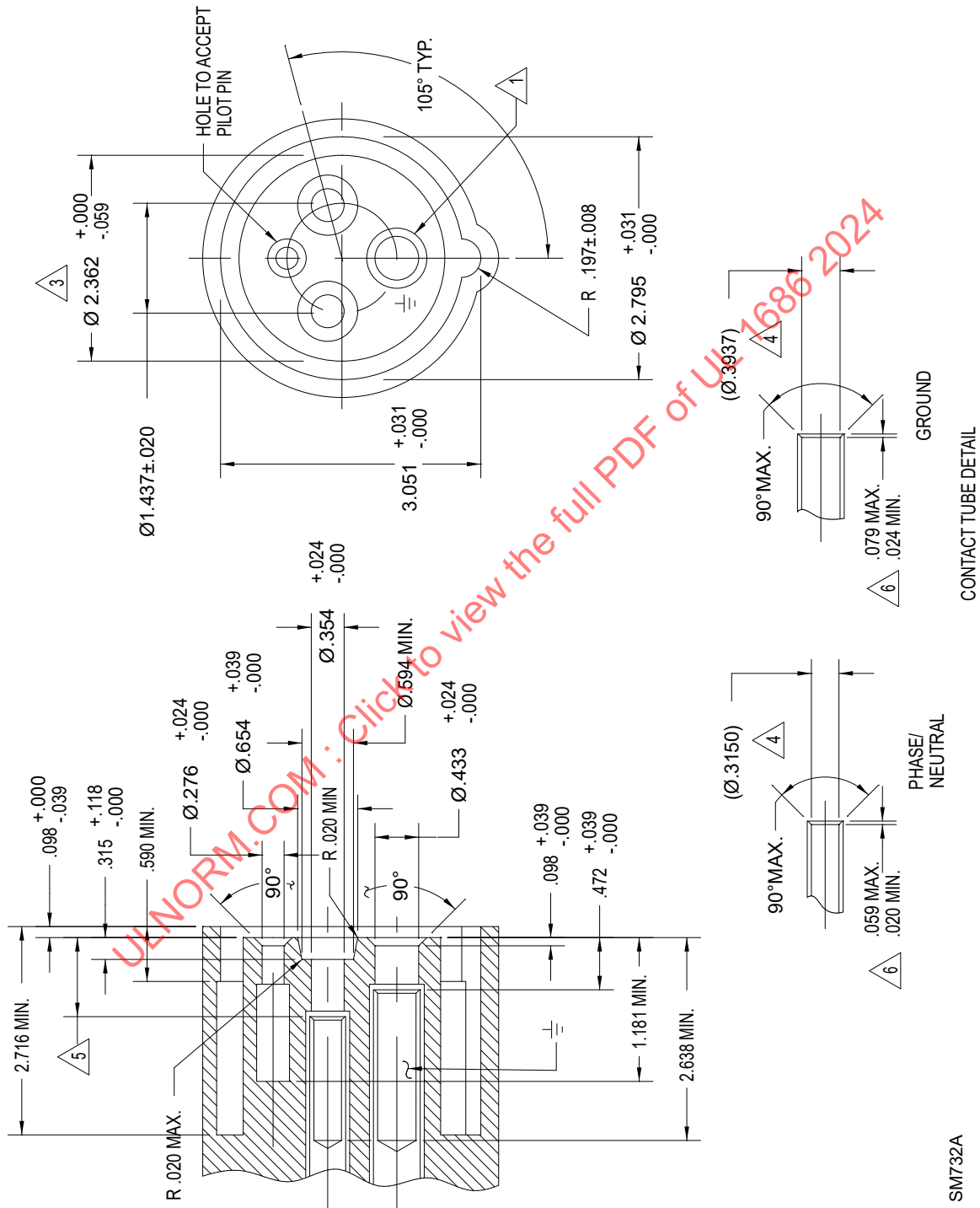
(Continued)

Figure C2.16 (Cont.)



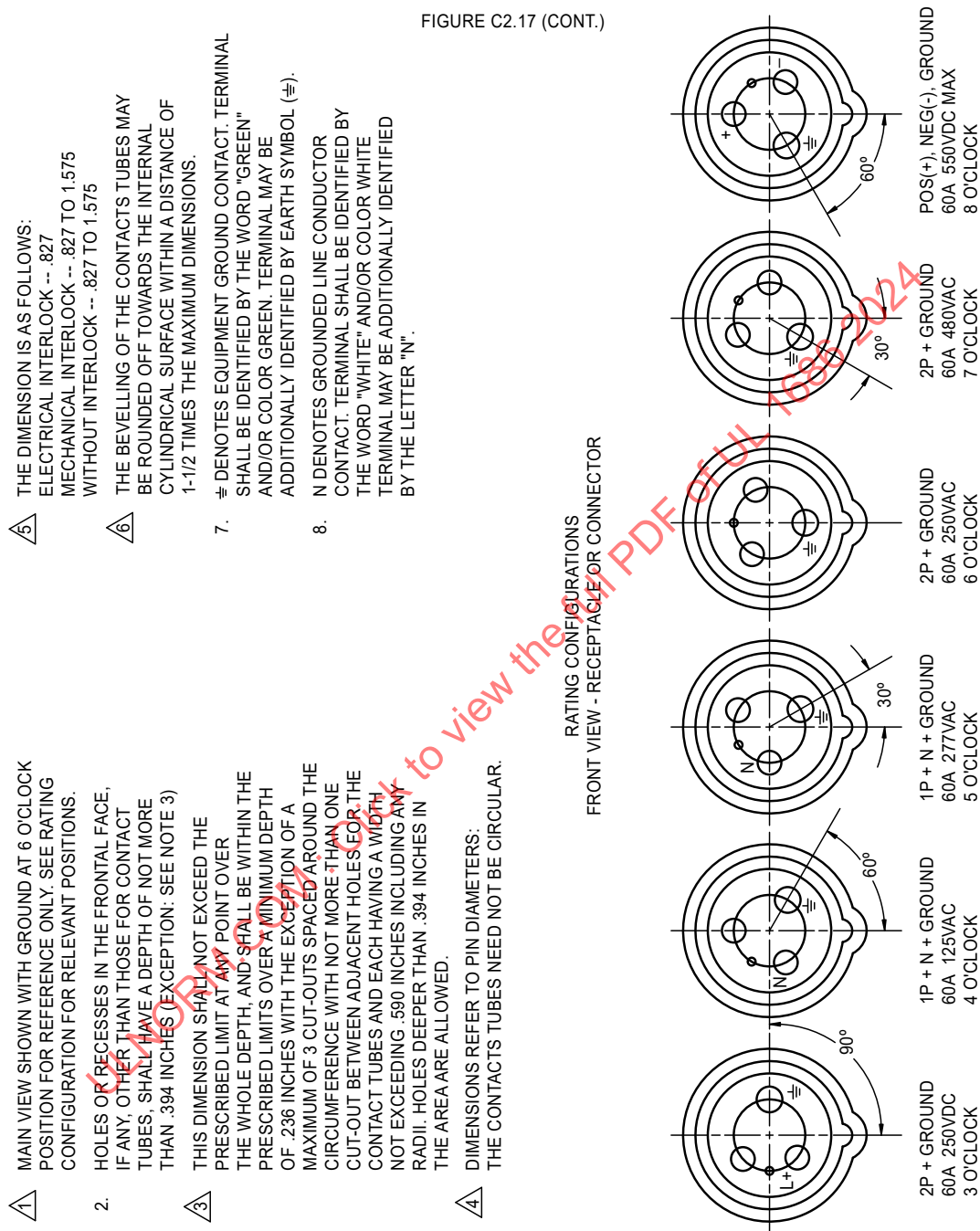
SM731

Figure C2.17
Receptacle or Connector
60 Ampere, 3 Wire Without Pilot



(Continued)

Figure C2.17 (Cont.)

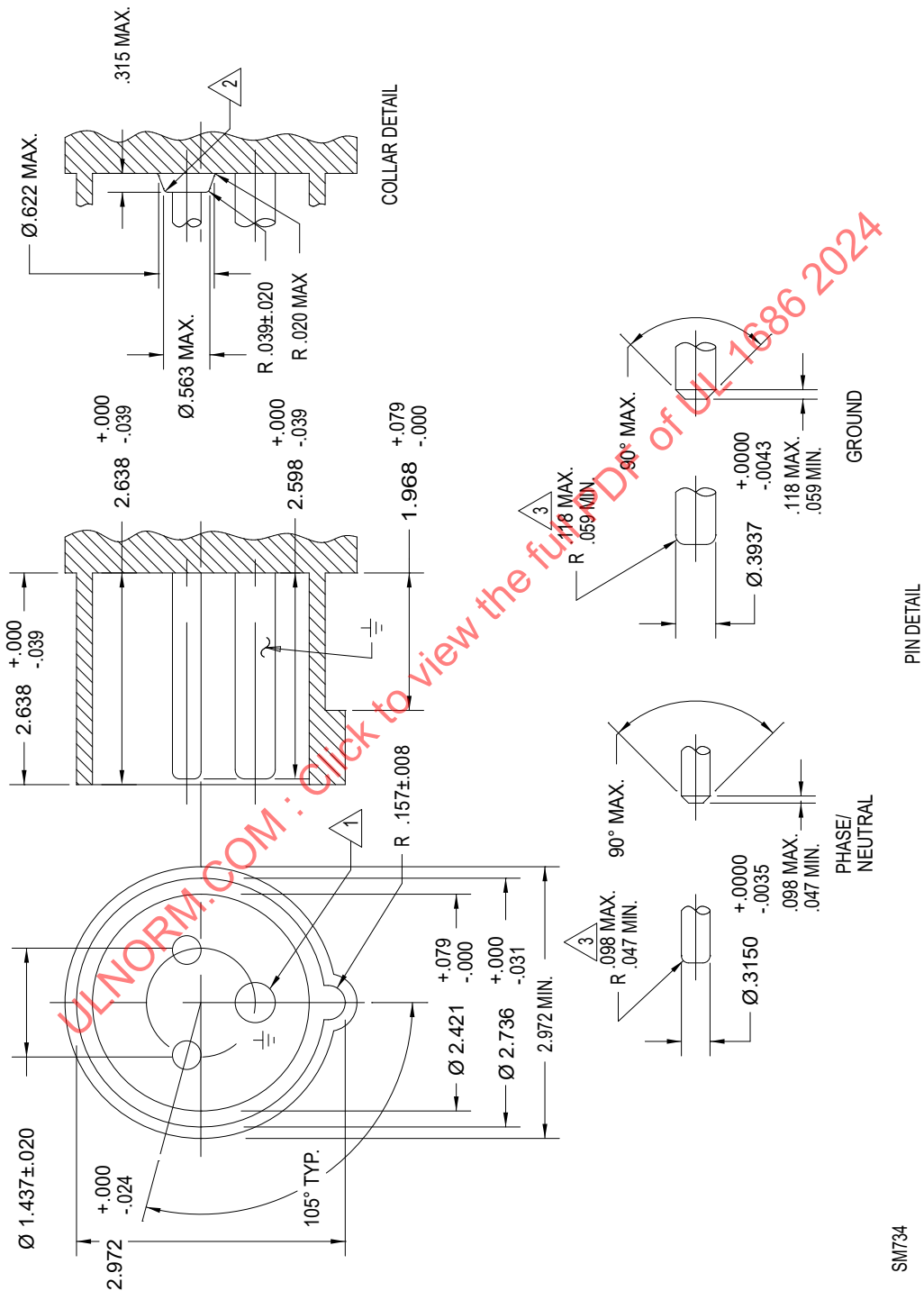


su0700

Figure C2.18

Plug or Inlet

60 Ampere, 3 Wire Without Pilot



(Continued)

SM734

Figure C2.18 (Cont.)

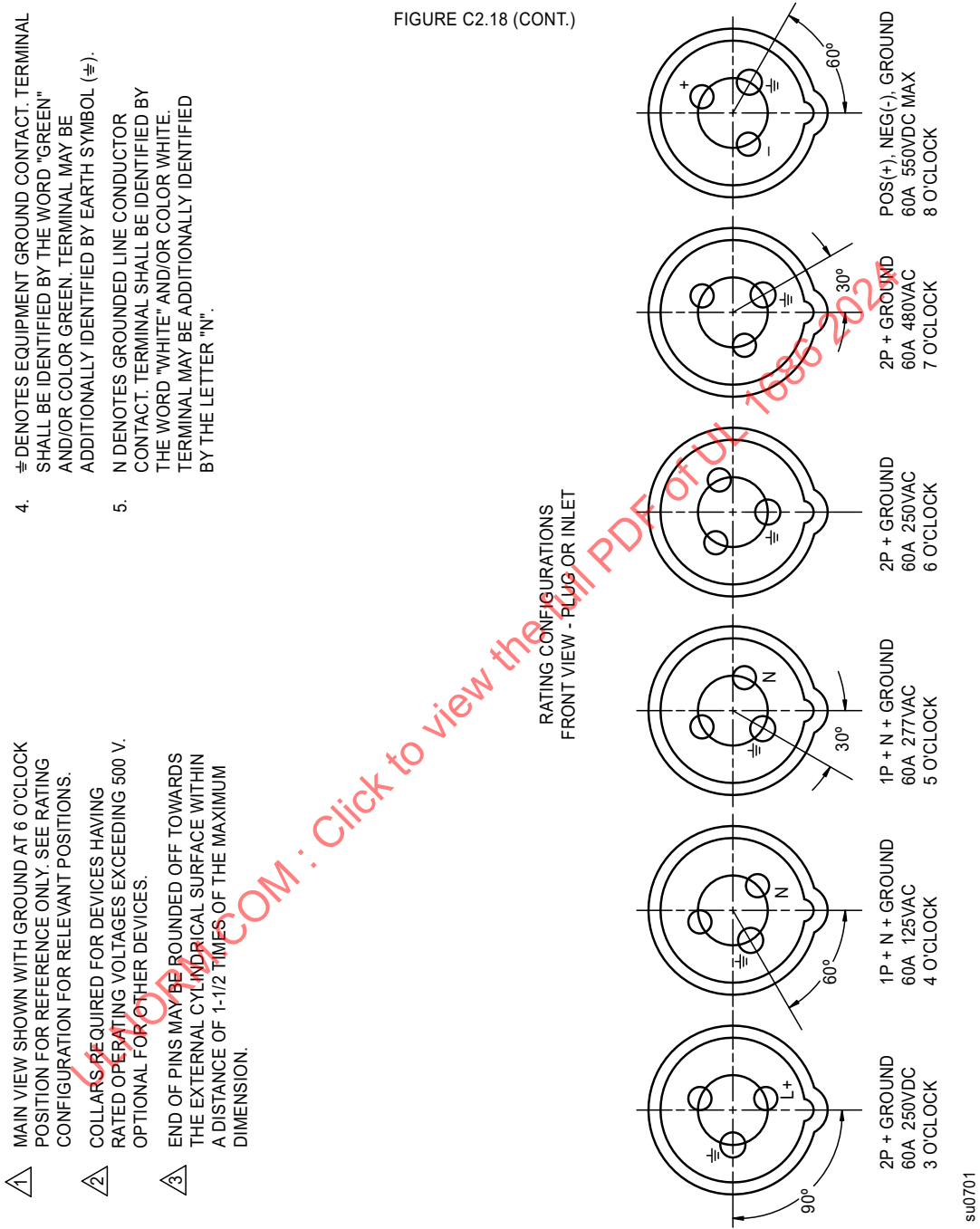
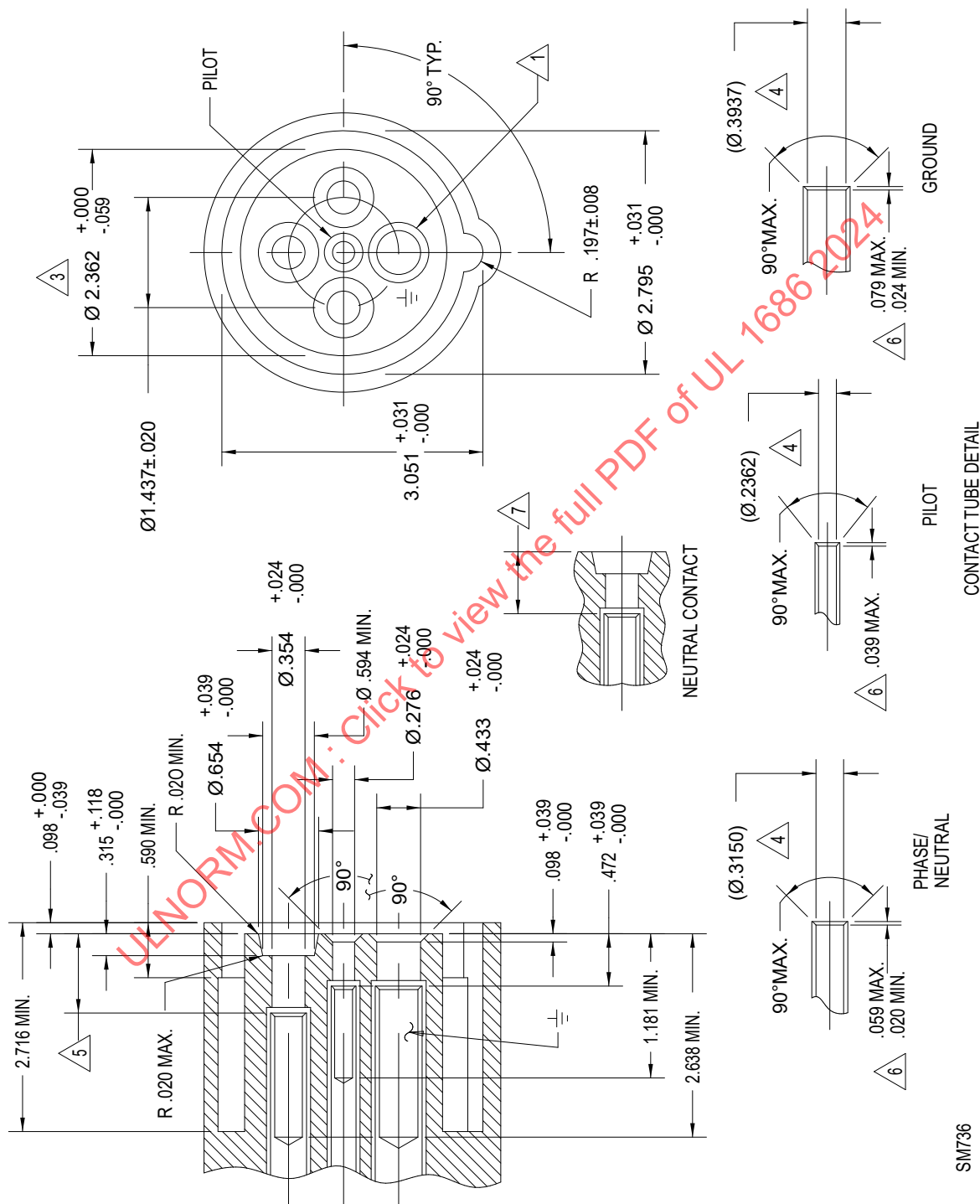


Figure C2.19
Receptacle or Connector
60 Ampere, 4 Wire With Pilot

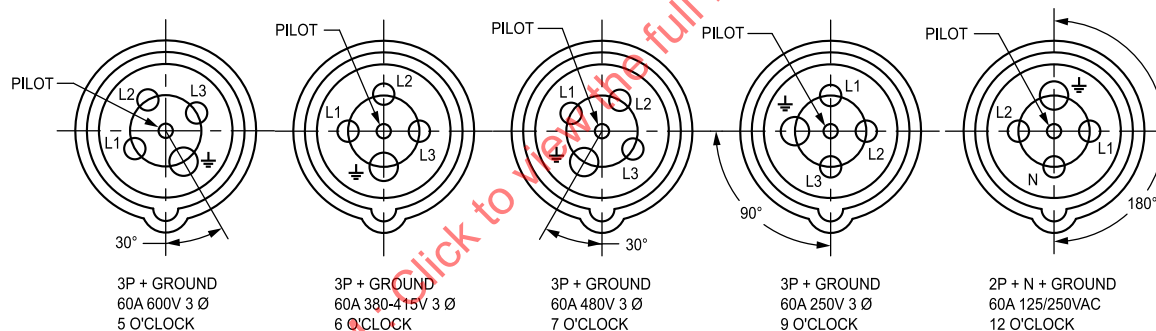


(Continued)

Figure C2.19 (Cont.)

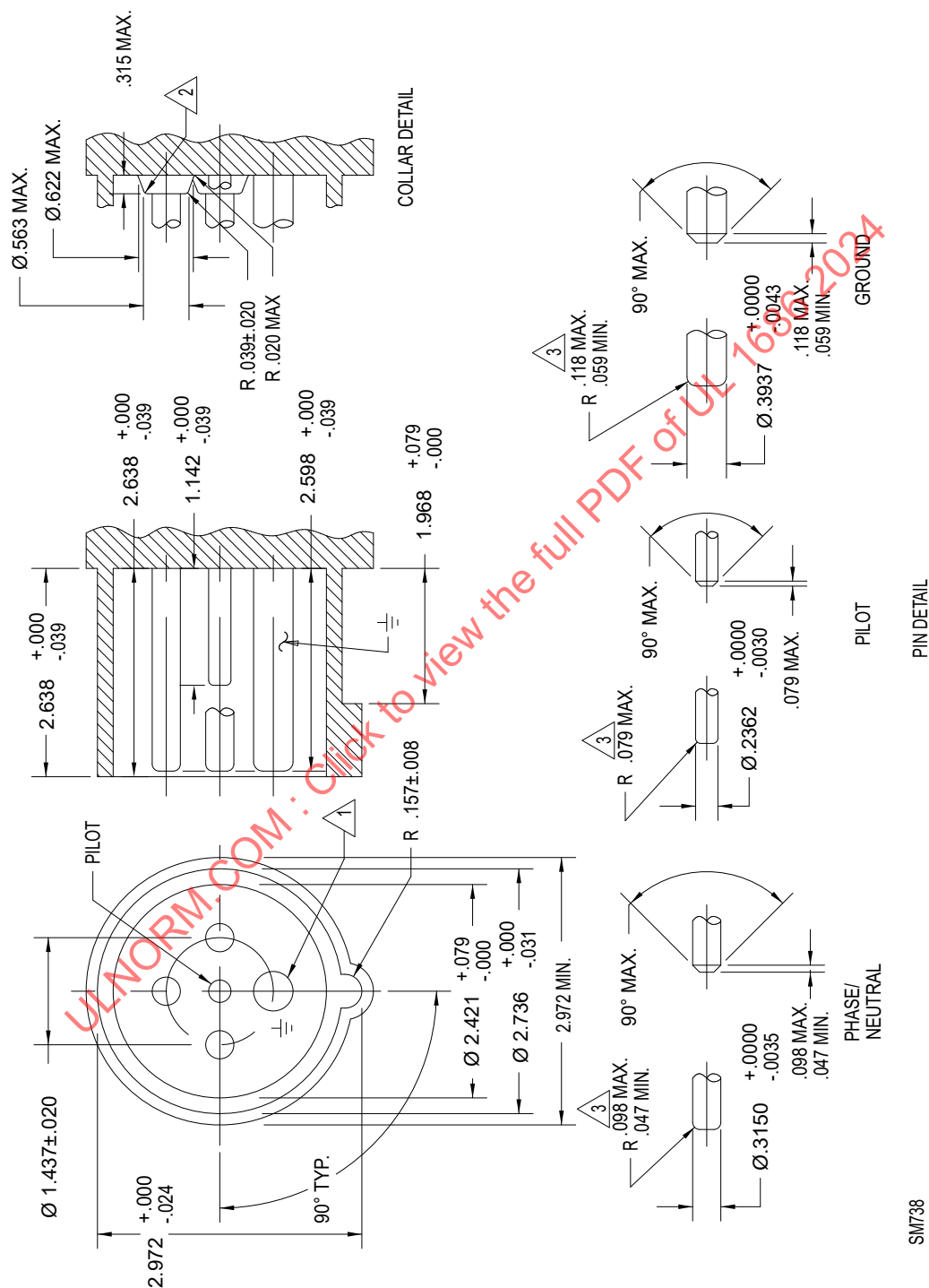
1. MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
2. HOLES OR RECESSES IN THE FRONTAL FACE, IF ANY, OTHER THAN THOSE FOR CONTACT TUBES, SHALL HAVE A DEPTH OF NOT MORE THAN .394 INCHES. (EXCEPTIONS: SEE NOTE 3)
3. THIS DIMENSION SHALL 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. THIS DIMENSION IS AS FOLLOWS:
ELECTRIC INTERLOCK -- .827
MECHANICAL INTERLOCK -- .827 TO 1.575
WITHOUT INTERLOCK -- .827 TO 1.575
6. 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.
7. NEUTRAL CONTACT WHEN REQUIRED SHALL BE LESS THAN THE PHASE BUT MORE THAN THE GROUND FROM THE FRONTAL FACE.
8. $\perp$ DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ($\perp$).
9. 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



su1360

Figure C2.20
Plug or Inlet
60 Ampere, 4 Wire With Pilot



(Continued)

Figure C2.20 (Cont.)

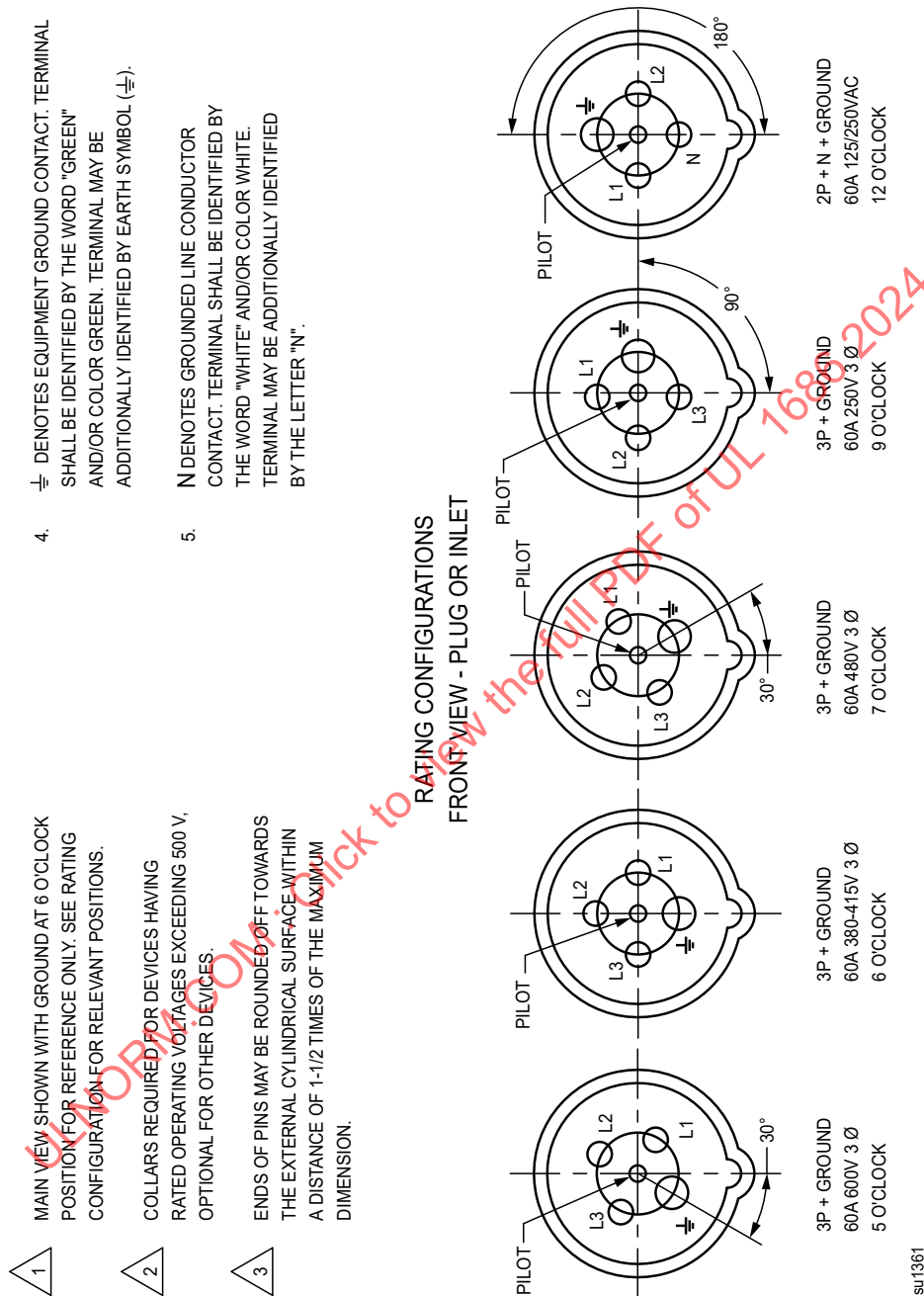
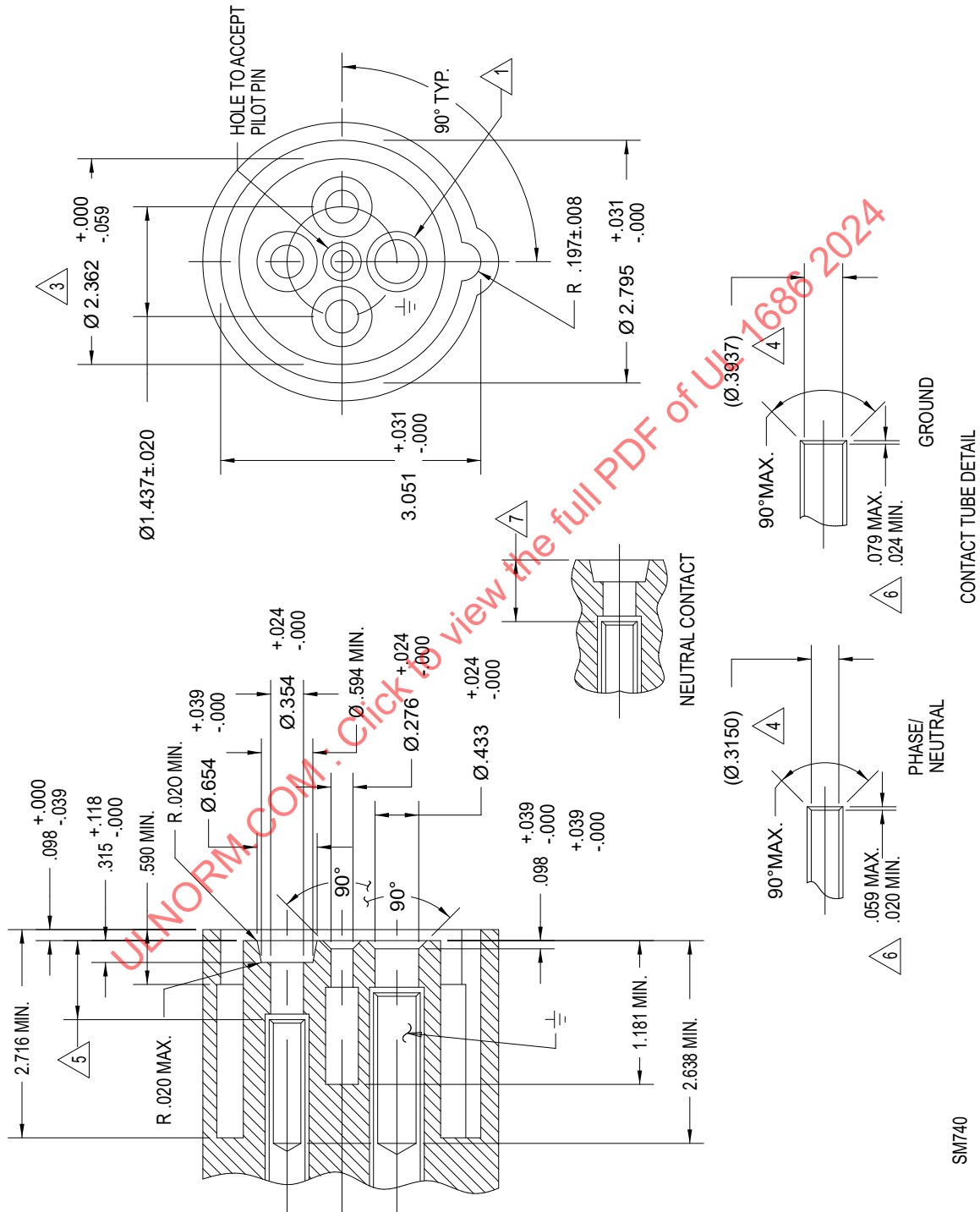
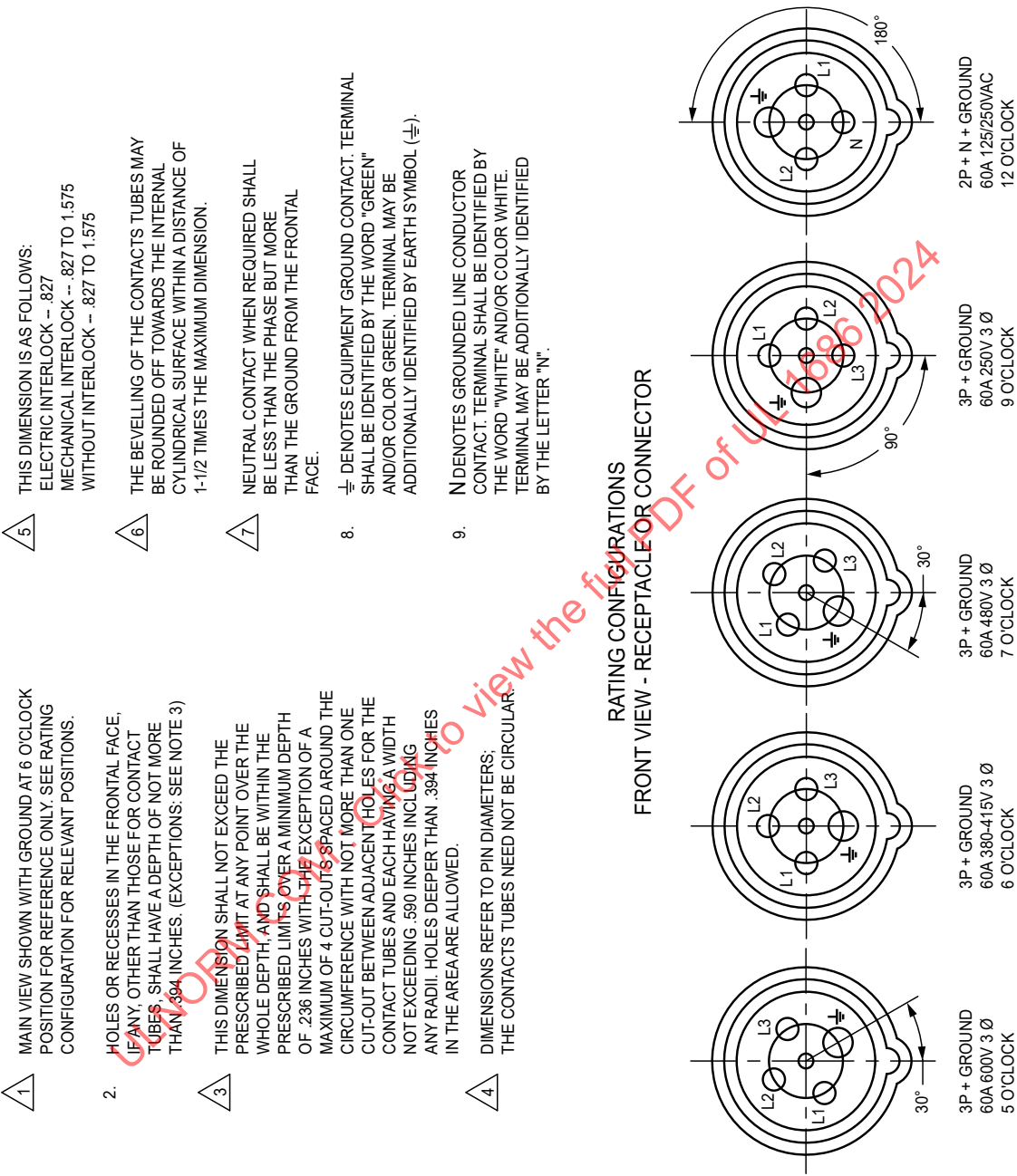


Figure C2.21
Receptacle or Connector
60 Ampere, 4 Wire Without Pilot



(Continued)

Figure C2.21 (Cont.)

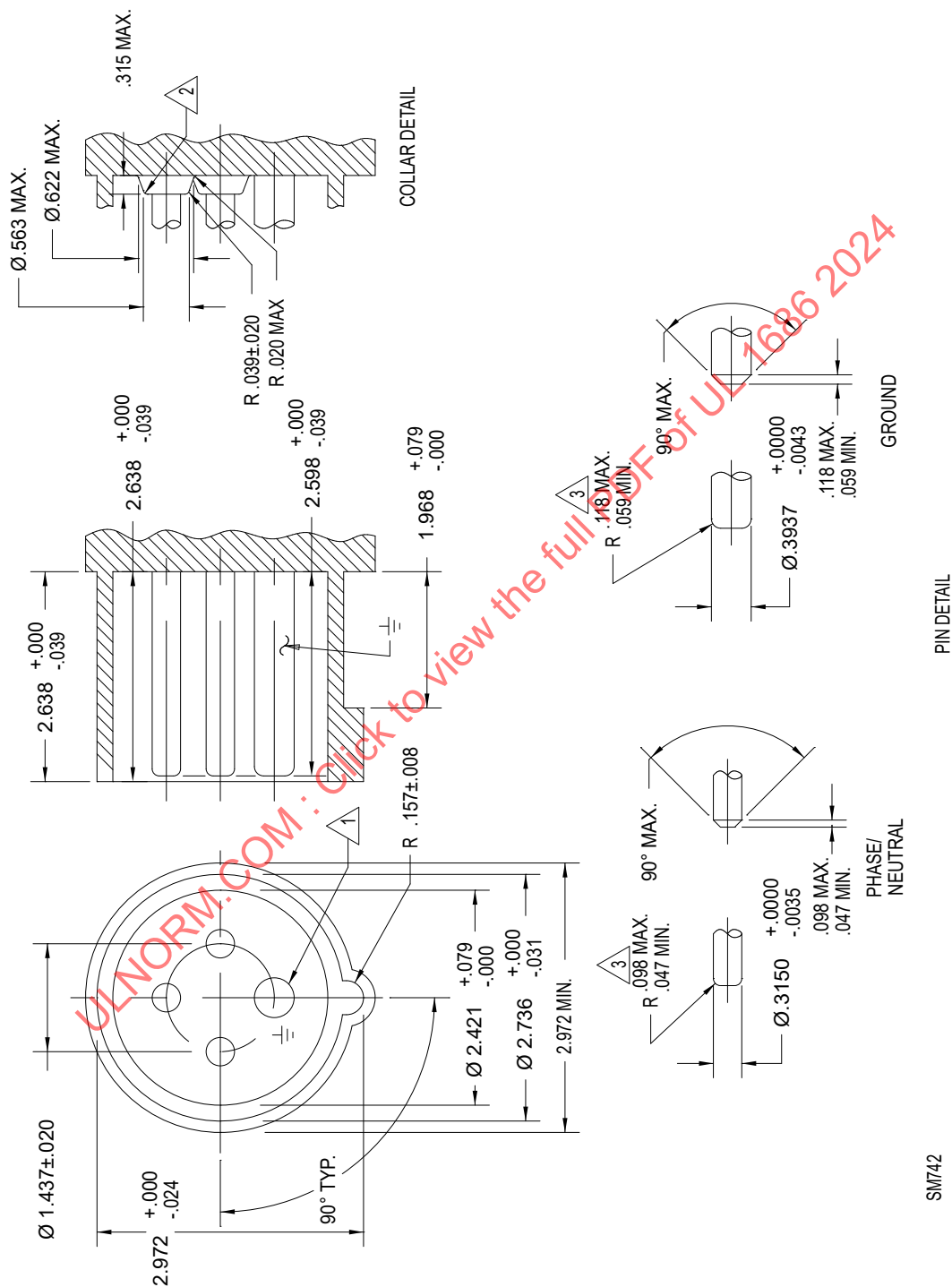


su1362

Figure C2.22

Plug or Inlet

60 Ampere, 4 Wire Without Pilot



(Continued)

Figure C2.22 (Cont.)

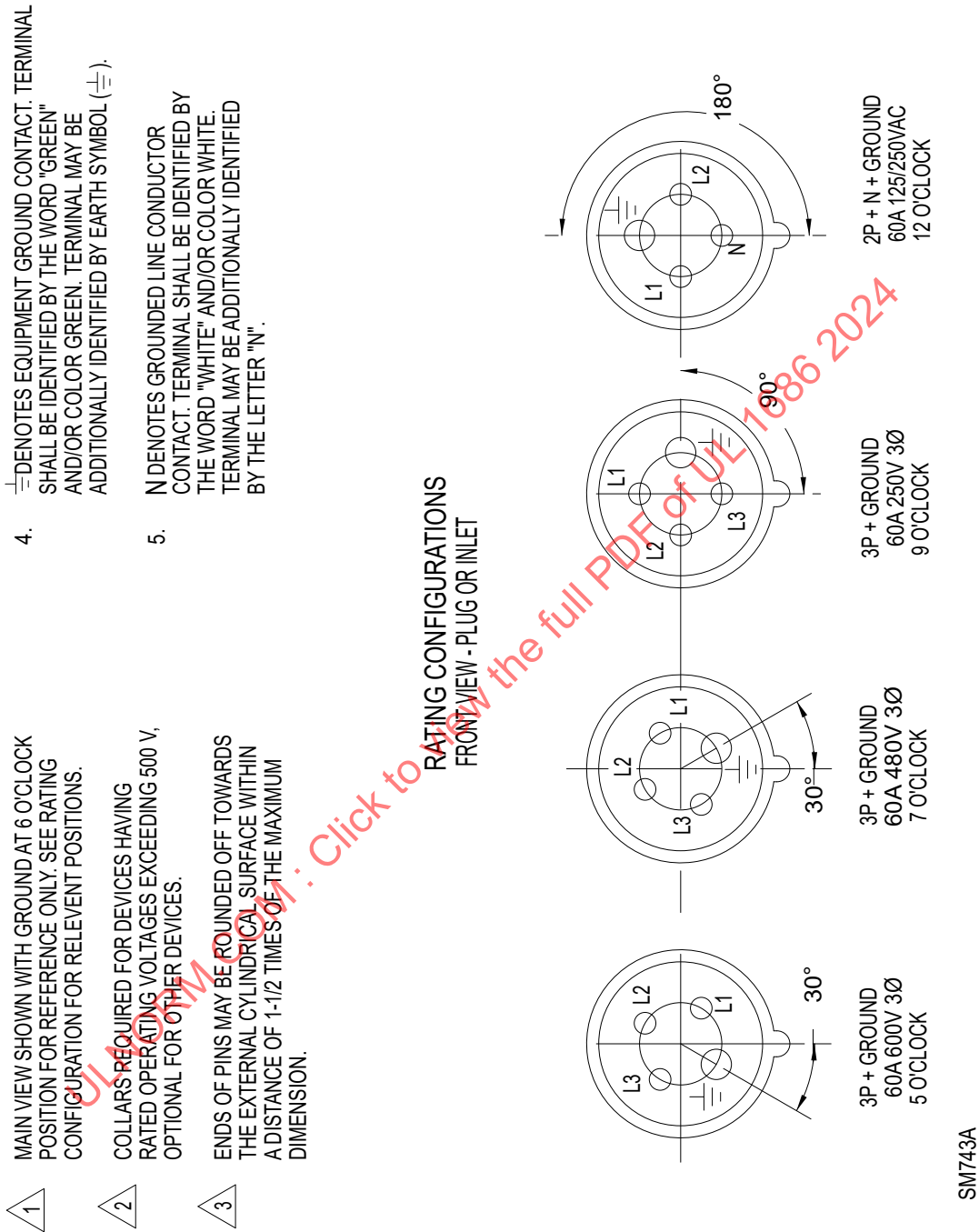
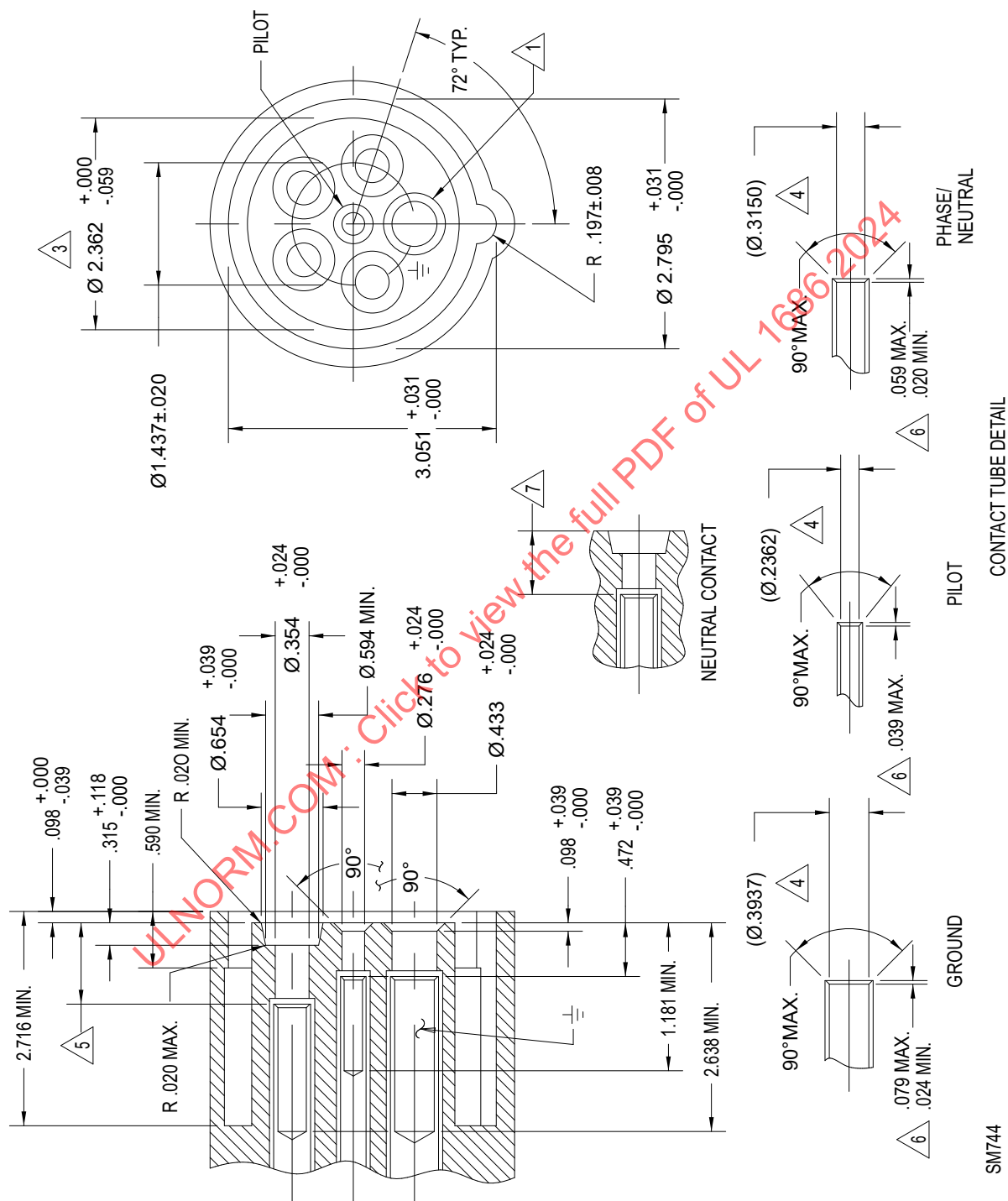


Figure C2.23
Receptacle or Connector
60 Ampere, 5 Wire With Pilot



(Continued)

Figure C2.23 (Cont.)

FIGURE C2.23 (CONT.)

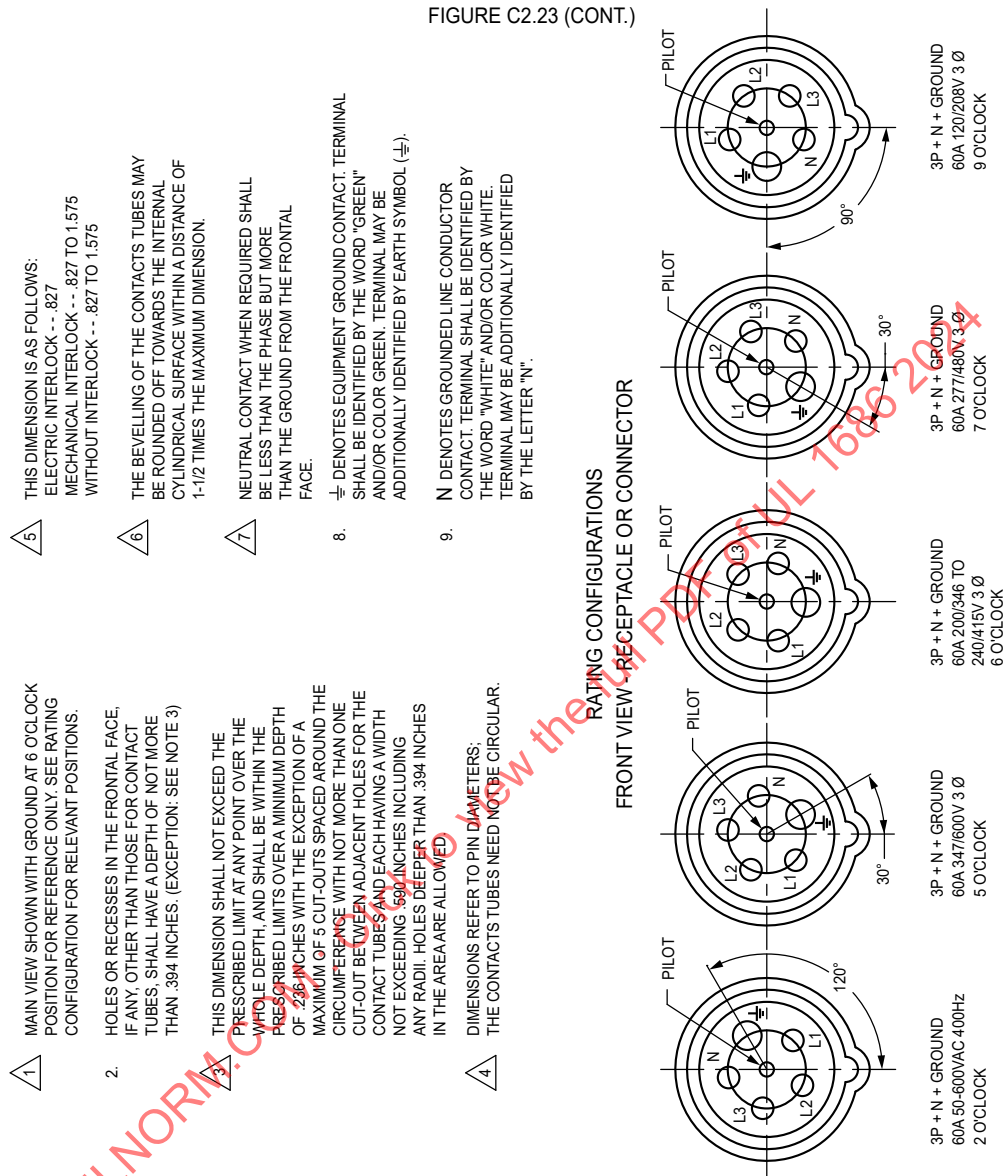
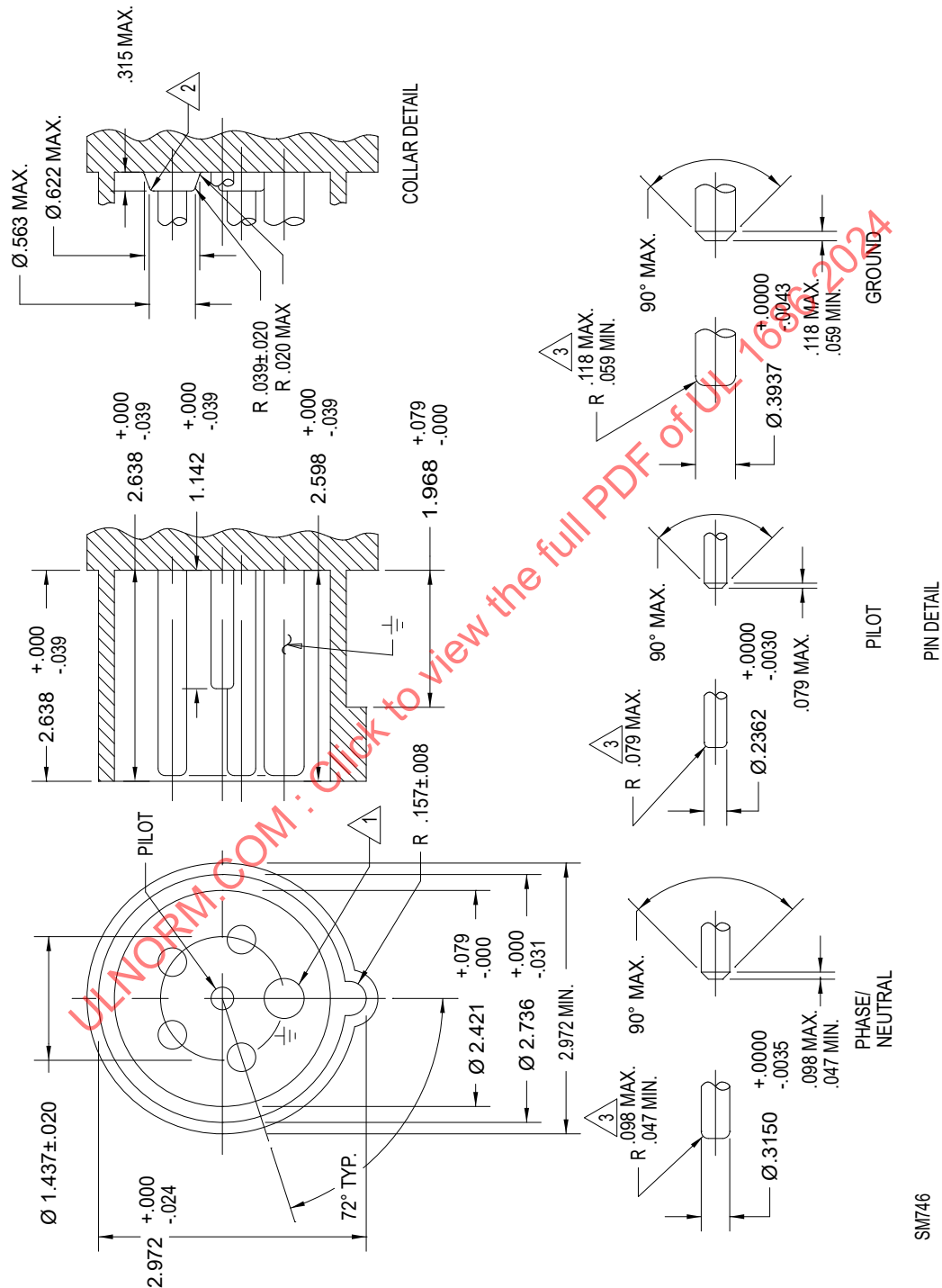


Figure C2.24

Plug or Inlet

60 Ampere, 5 Wire With Pilot



(Continued)

Figure C2.24 (Cont.)

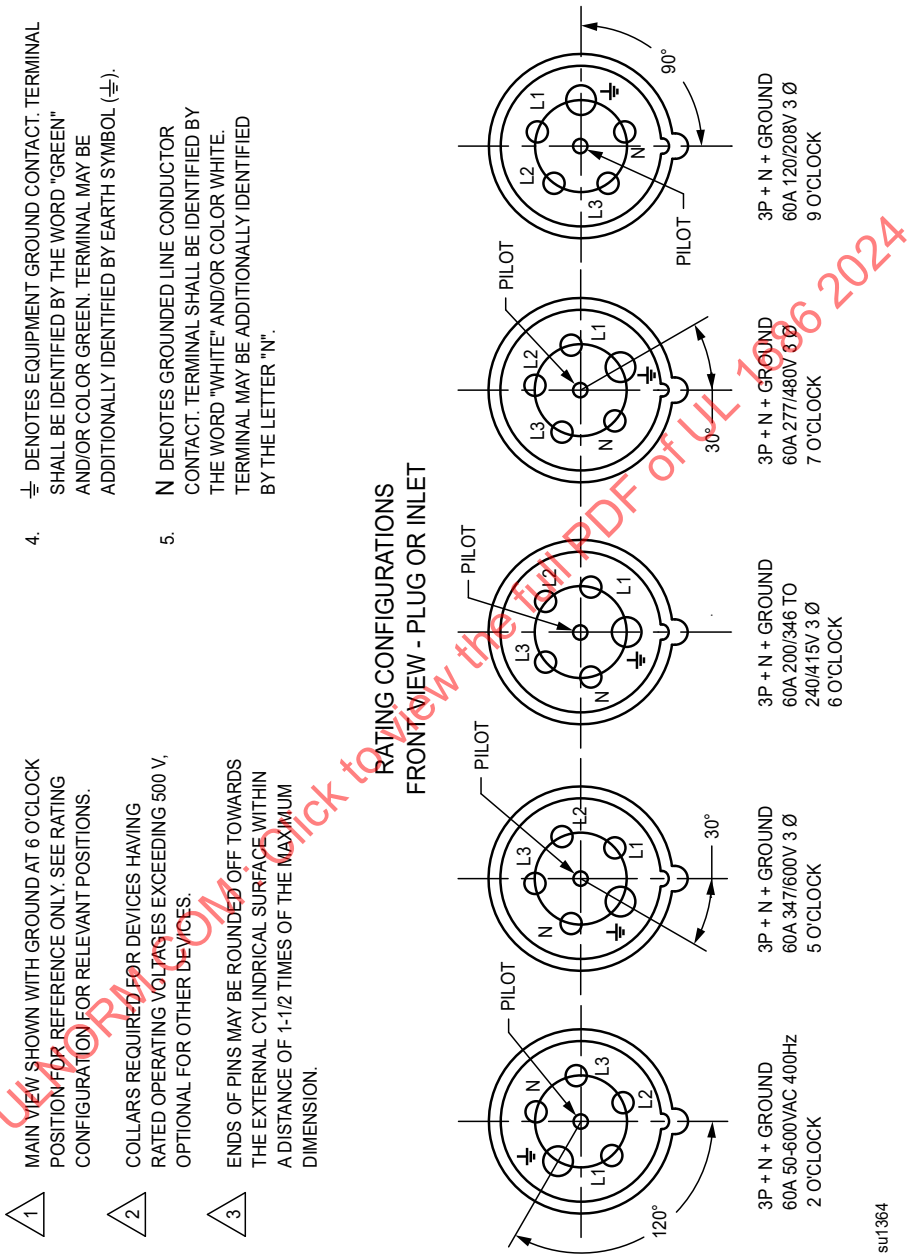
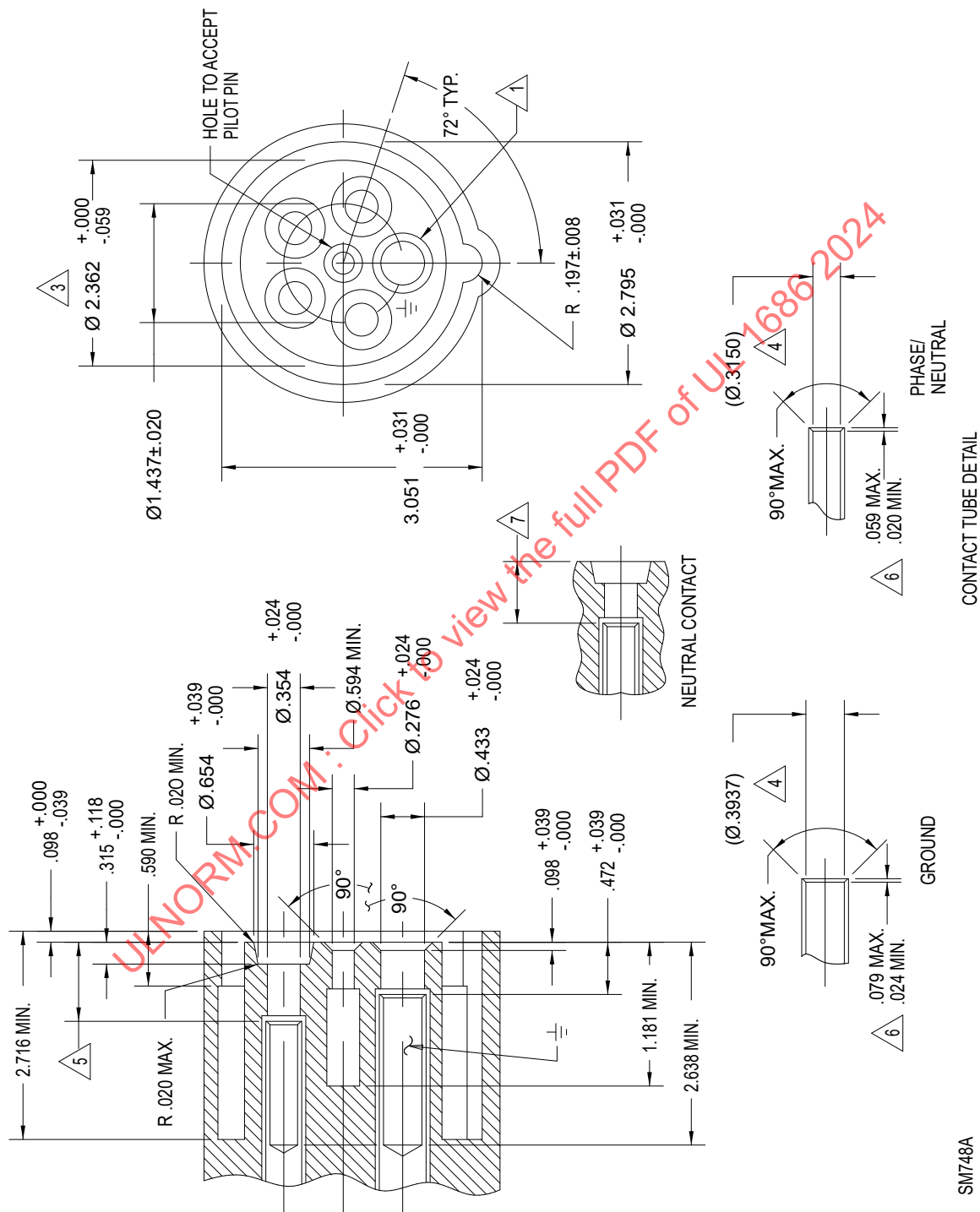
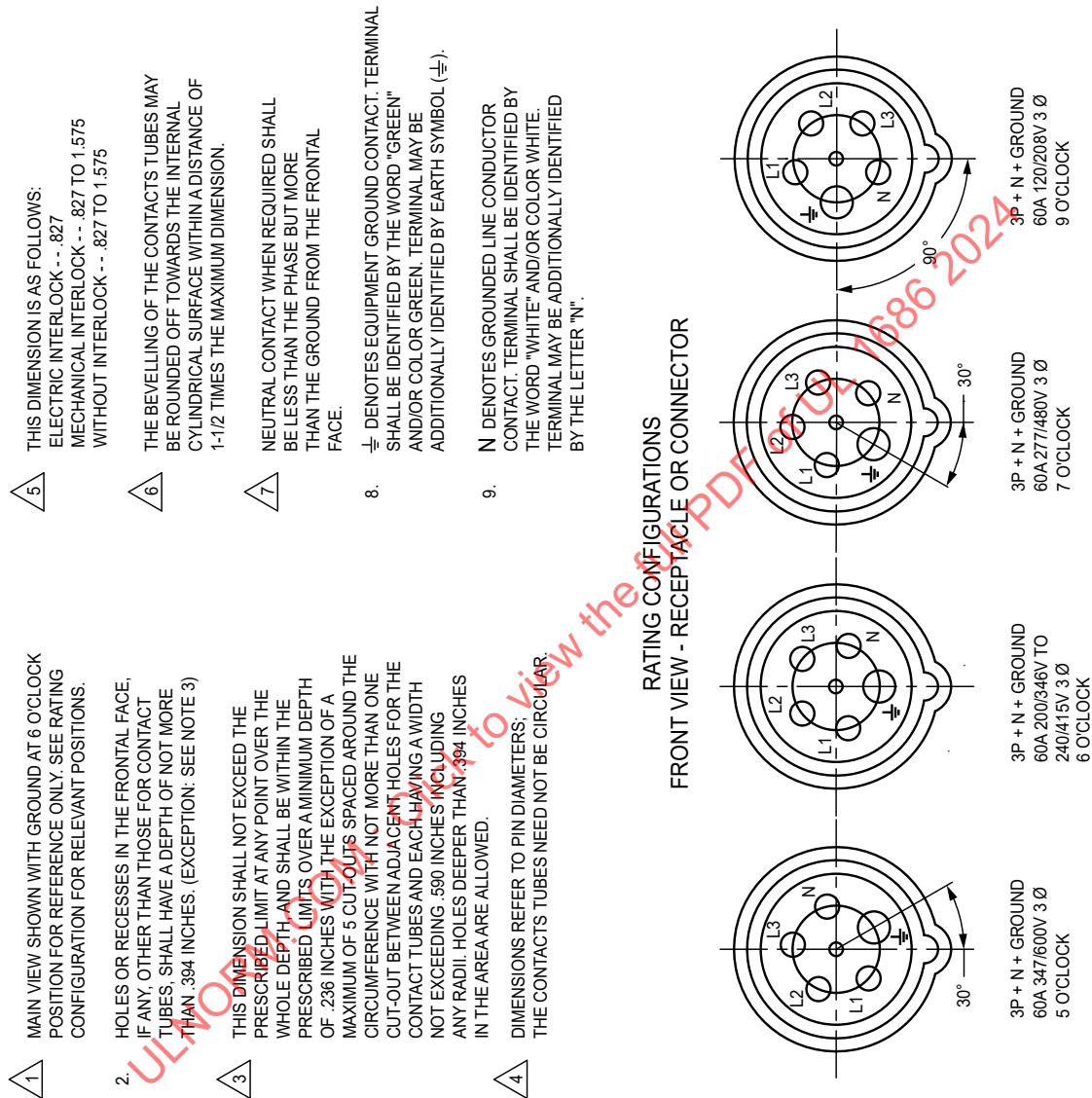


Figure C2.25
Receptacle or Connector
60 Ampere, 5 Wire Without Pilot



(Continued)

Figure C2.25 (Cont.)

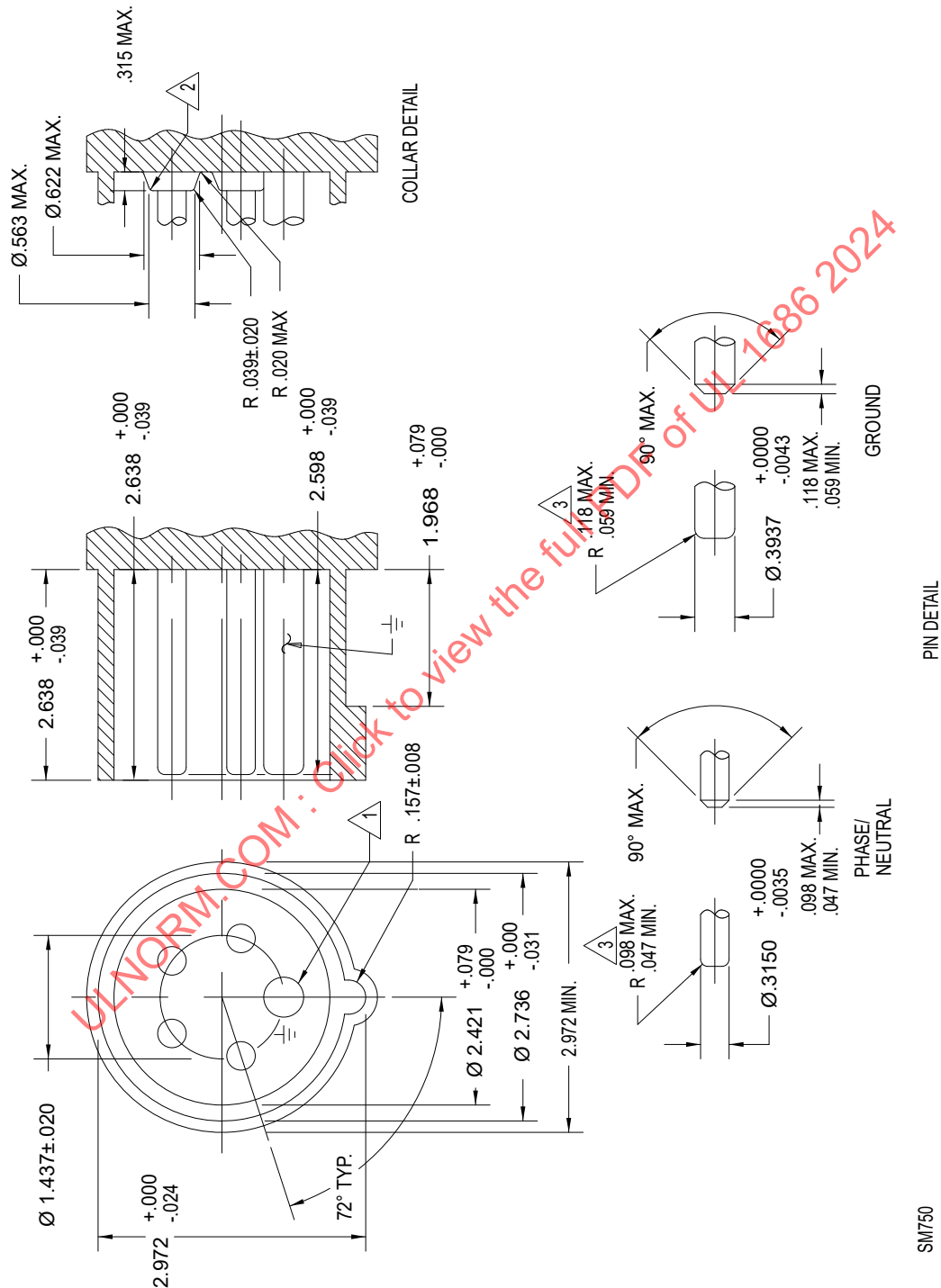


su1365

Figure C2.26

Plug or Inlet

60 Ampere, 5 Wire Without Pilot



(Continued)

Figure C2.26 (Cont.)

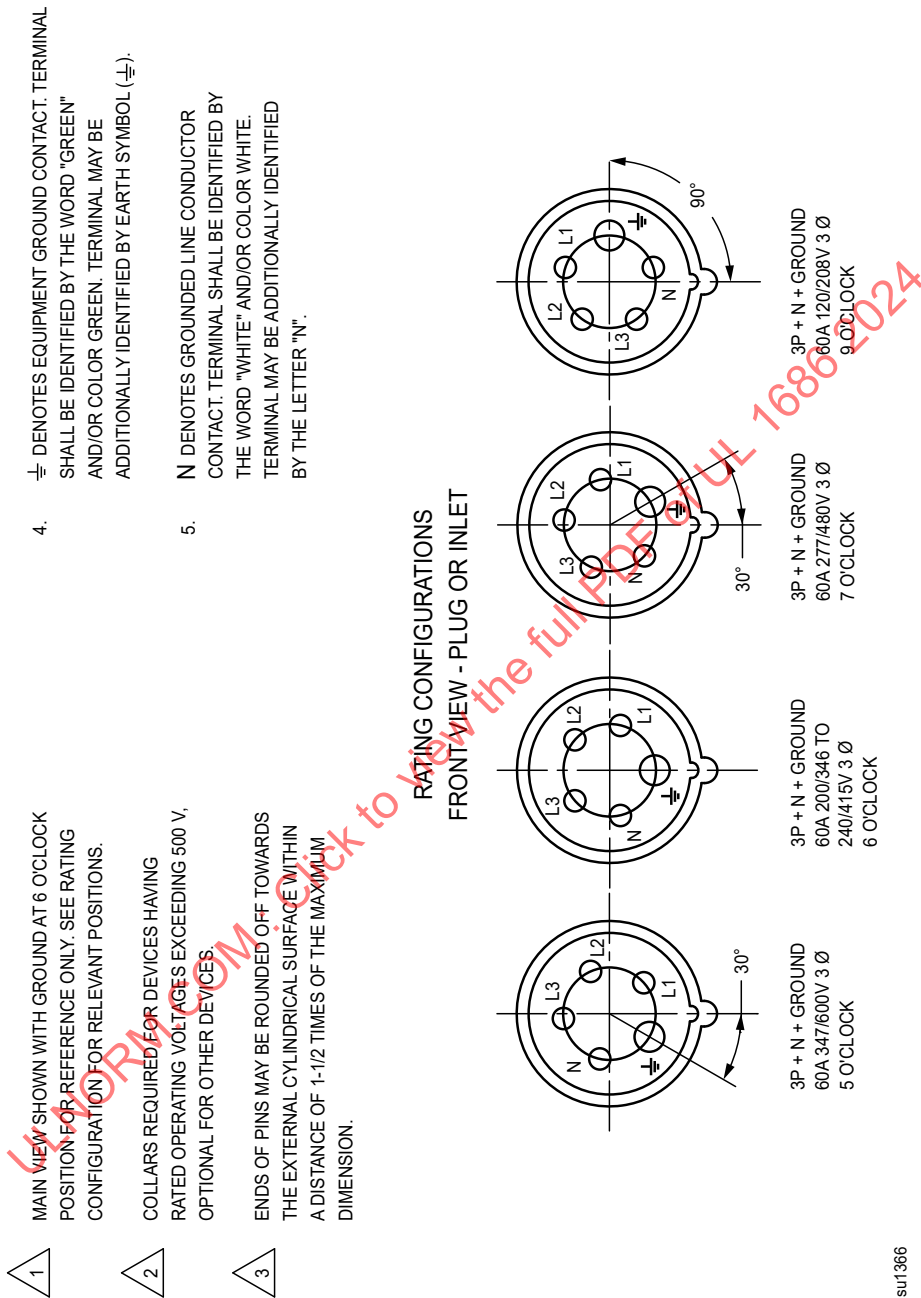
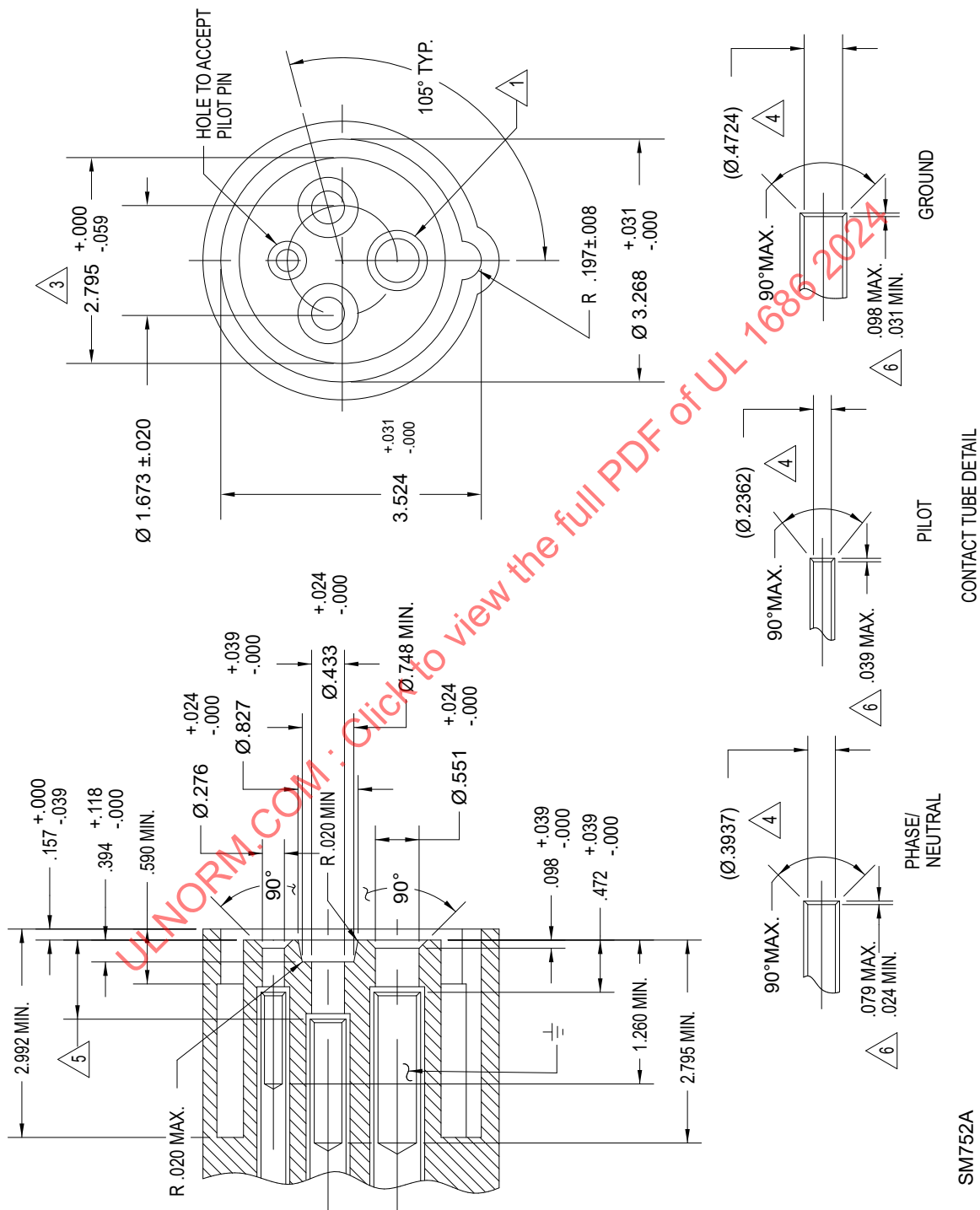


Figure C2.27
Receptacle or Connector
100 Ampere, 3 Wire With Pilot



(Continued)

Figure C2.27 (Cont.)

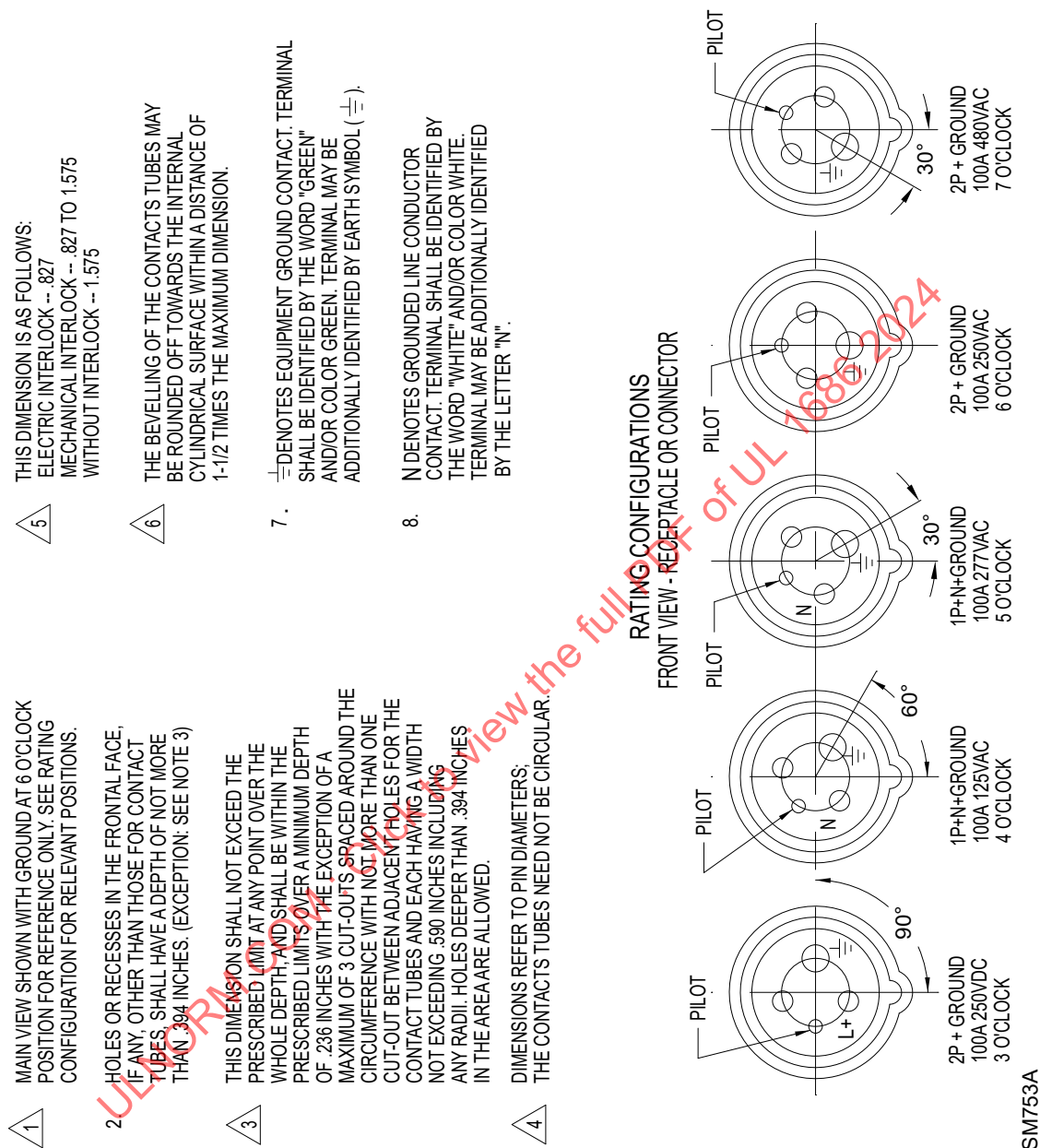
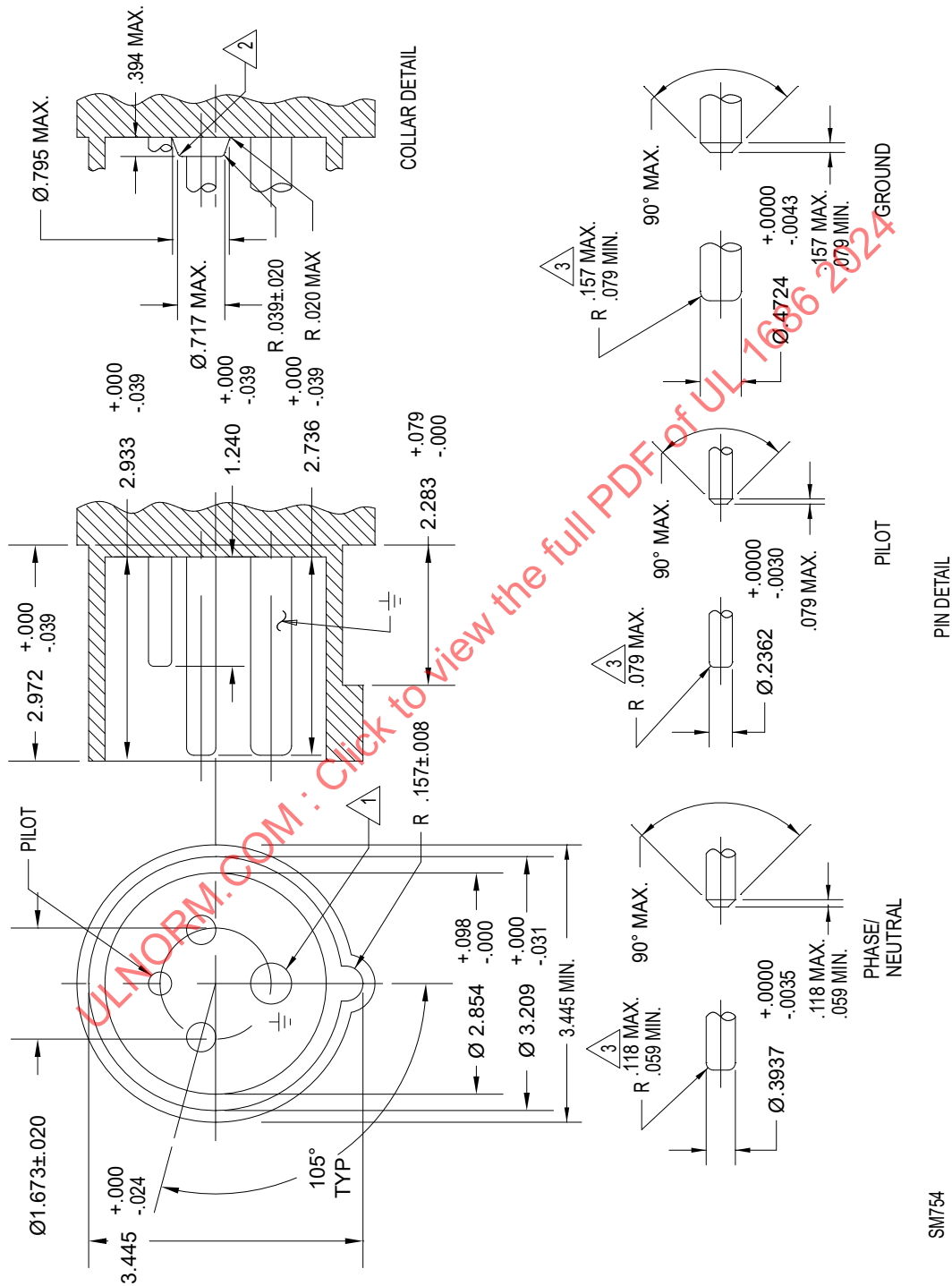


Figure C2.28

Plug or inlet

100 Ampere, 3 Wire With Pilot



(Continued)

SM754

Figure C2.28 (Cont.)

- 1

MAIN VIEW SHOWN WITH GROUND AT 6 O'CLOCK POSITION FOR REFERENCE ONLY. SEE RATING CONFIGURATION FOR RELEVANT POSITIONS.
- 2

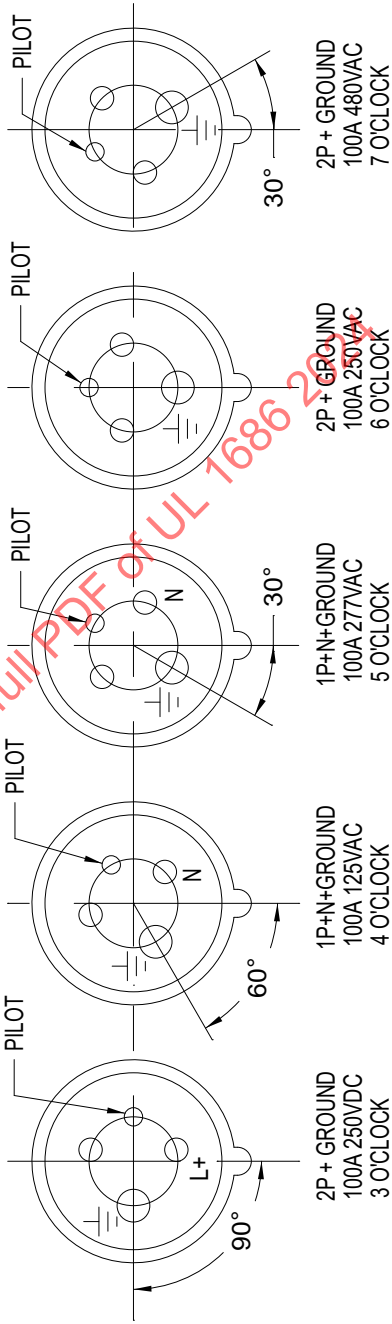
COLLARS REQUIRED FOR DEVICES HAVING RATED OPERATING VOLTAGES EXCEEDING 500 V, OPTIONAL FOR OTHER DEVICES.
- 3

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.

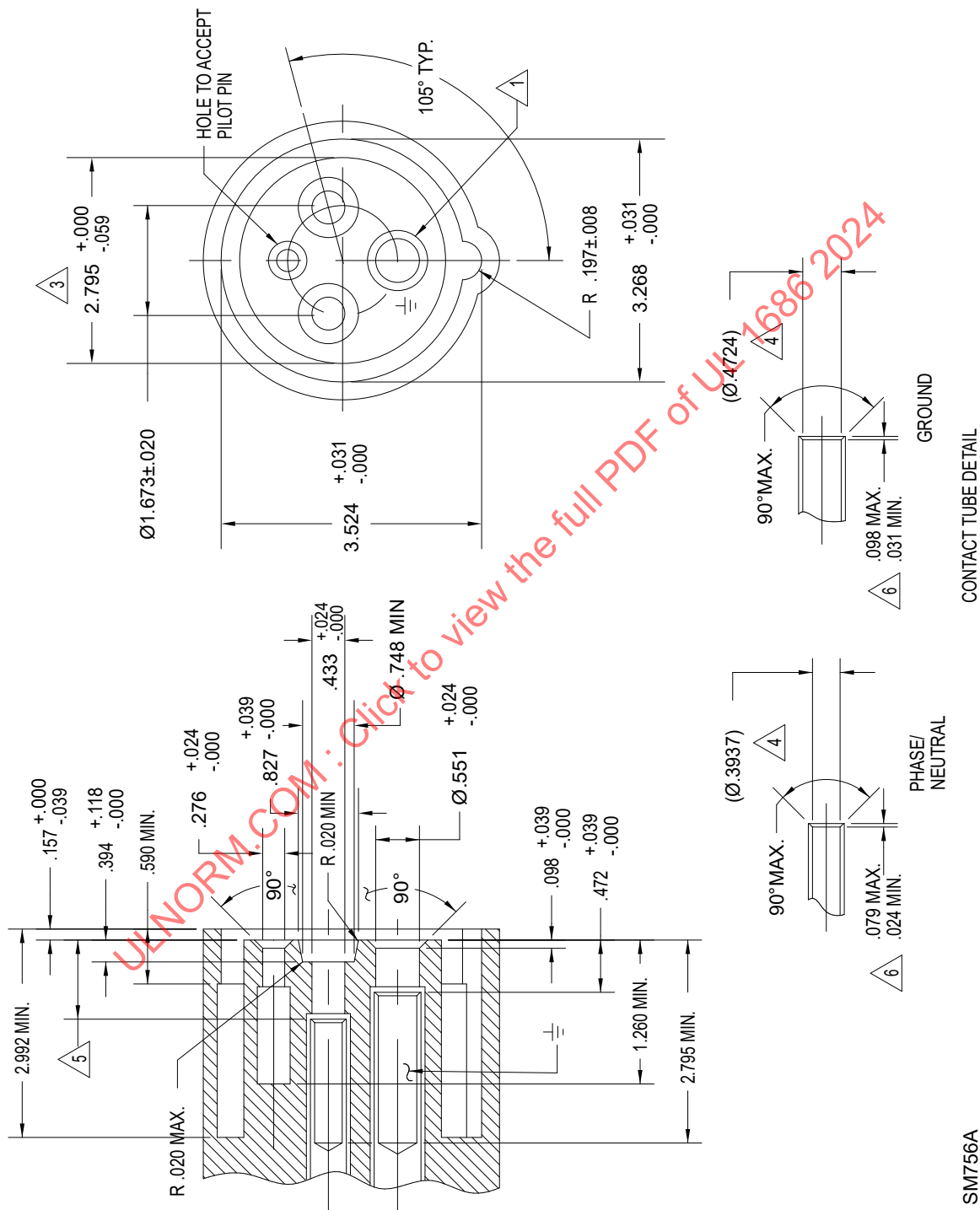
N DENOTES GROUNDED LINE CONDUCTOR CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "WHITE" AND/OR COLOR WHITE. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY THE LETTER "N".

RATING CONFIGURATIONS
FRONT VIEW - PLUG OR INLET



SM755

Figure C2.29
Receptacle or Connector
100 Ampere, 3 Wire Without Pilot

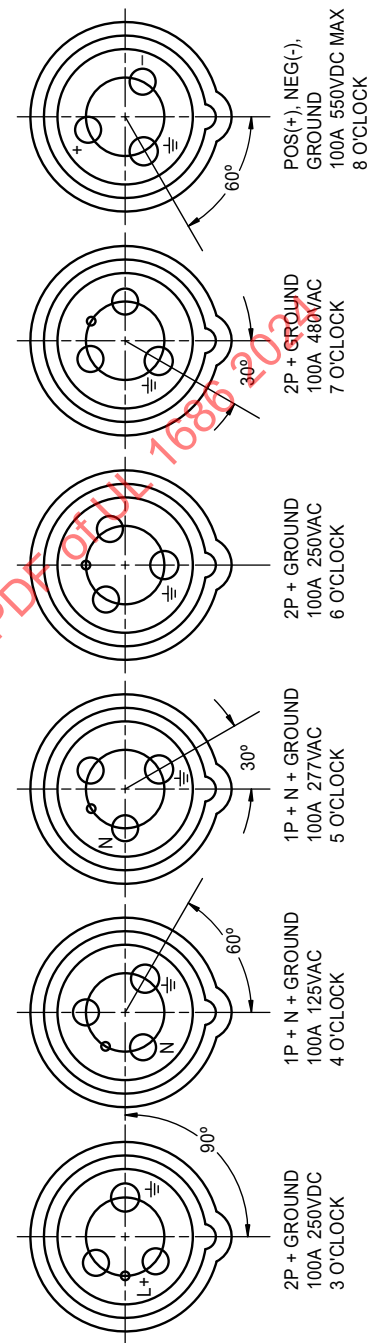


(Continued)

Figure C2.29 (Cont.)

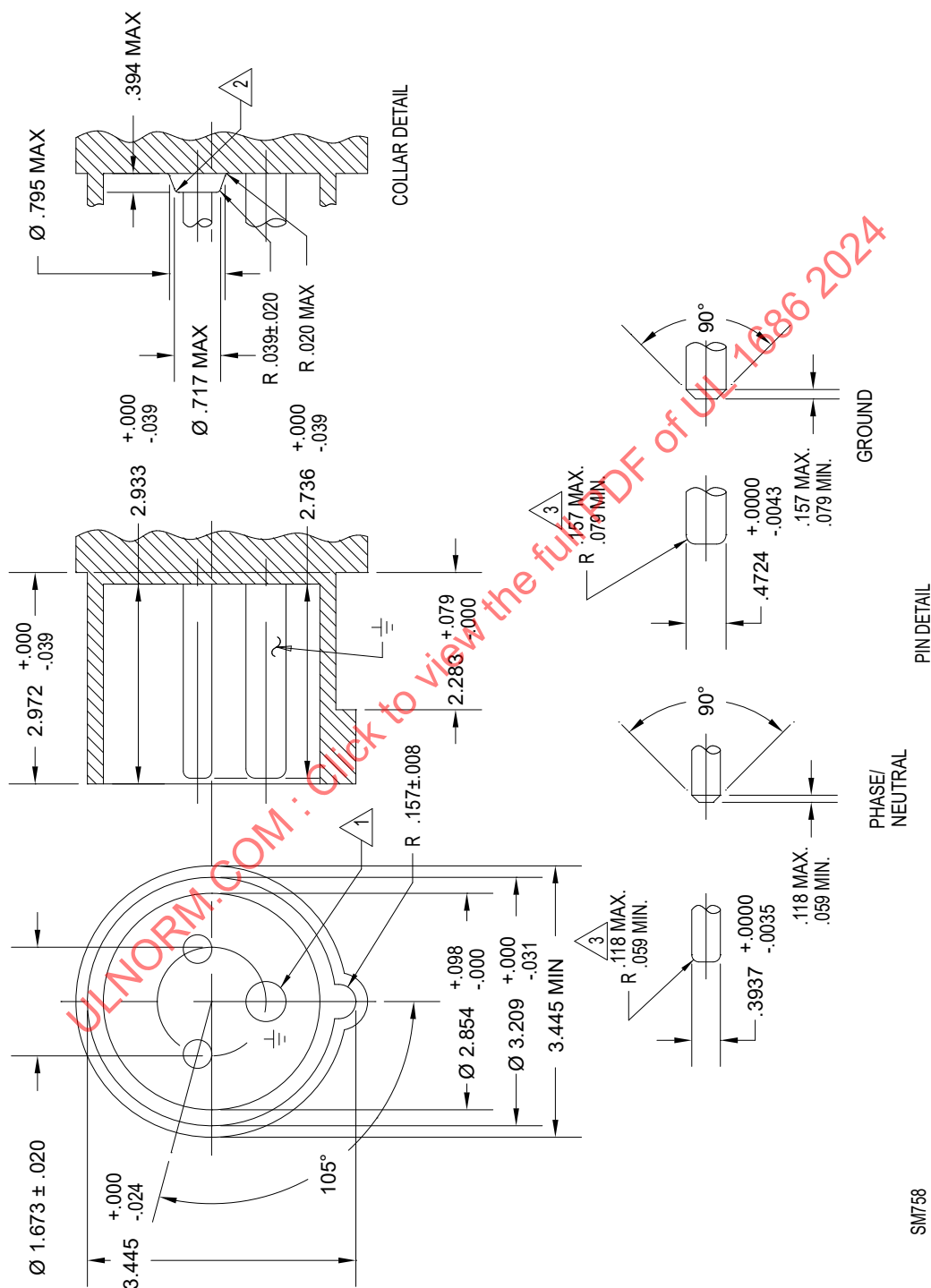
FIGURE C2.29 (CONT.)

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 DIMENSION IS AS FOLLOWS:
ELECTRICAL INTERLOCK -- .827
MECHANICAL INTERLOCK -- .827 TO 1.575
WITHOUT INTERLOCK -- 1.575
6. 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.
7. # DENOTES EQUIPMENT GROUND CONTACT. TERMINAL SHALL BE IDENTIFIED BY THE WORD "GREEN" AND/OR COLOR GREEN. TERMINAL MAY BE ADDITIONALLY IDENTIFIED BY EARTH SYMBOL ($\equiv$).
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

su0702

Figure C2.30
Plug or Inlet
100 Ampere, 3 Wire Without Pilot



(Continued)

Figure C2.30 (Cont.)

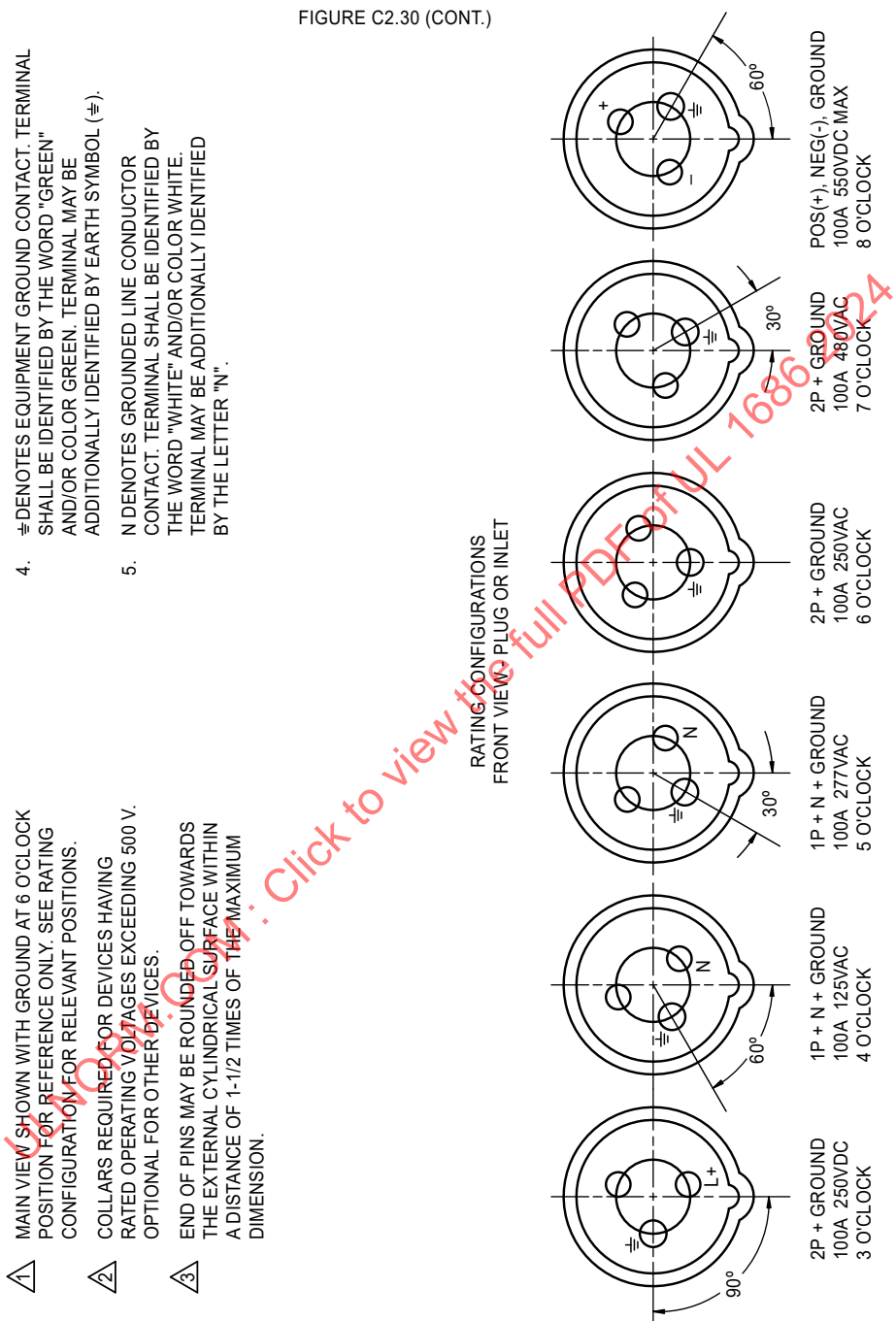
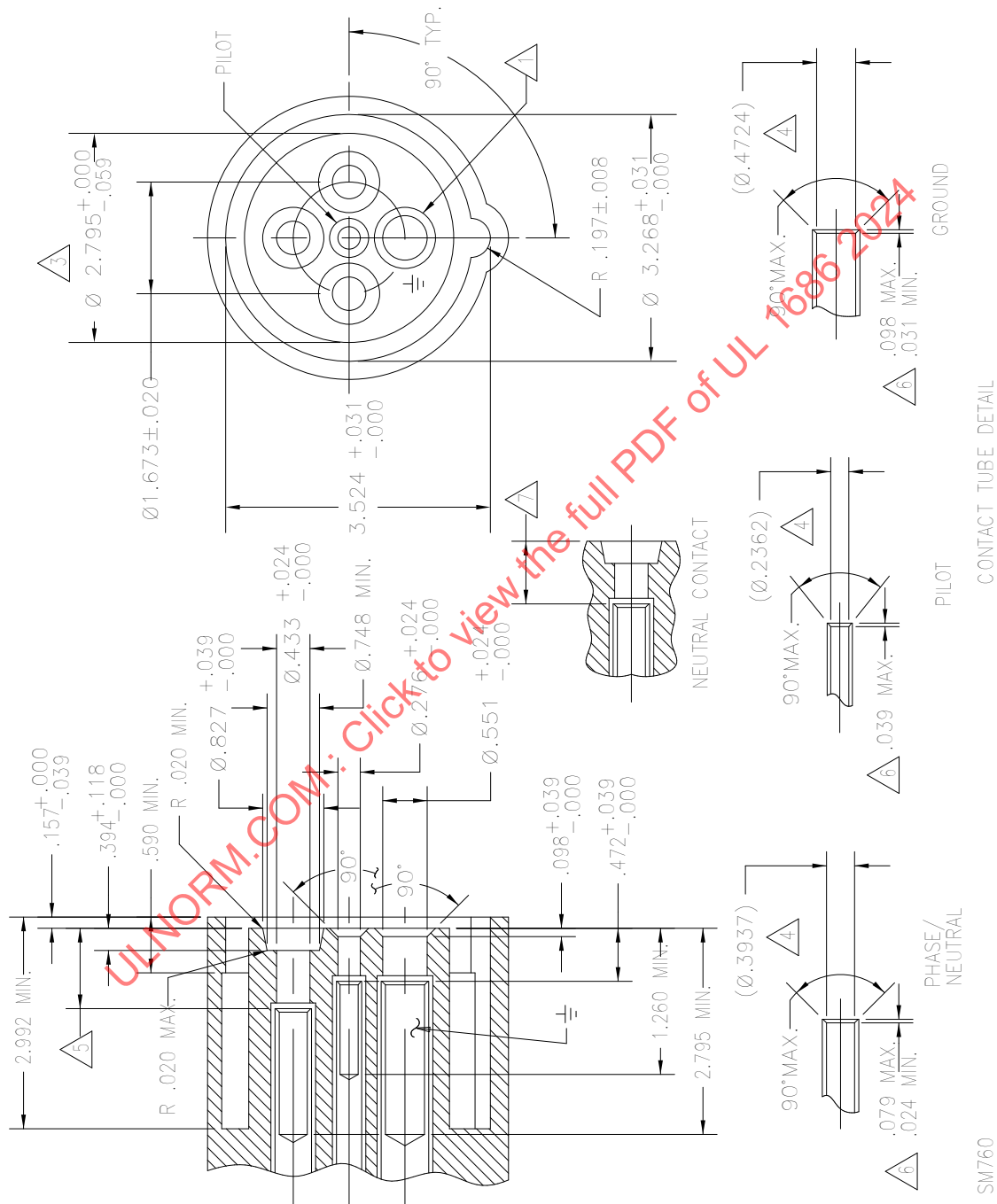


Figure C2.31
Receptacle or Connector
100 Ampere, 4 Wire With Pilot



(Continued)

Figure C2.31 (Cont.)

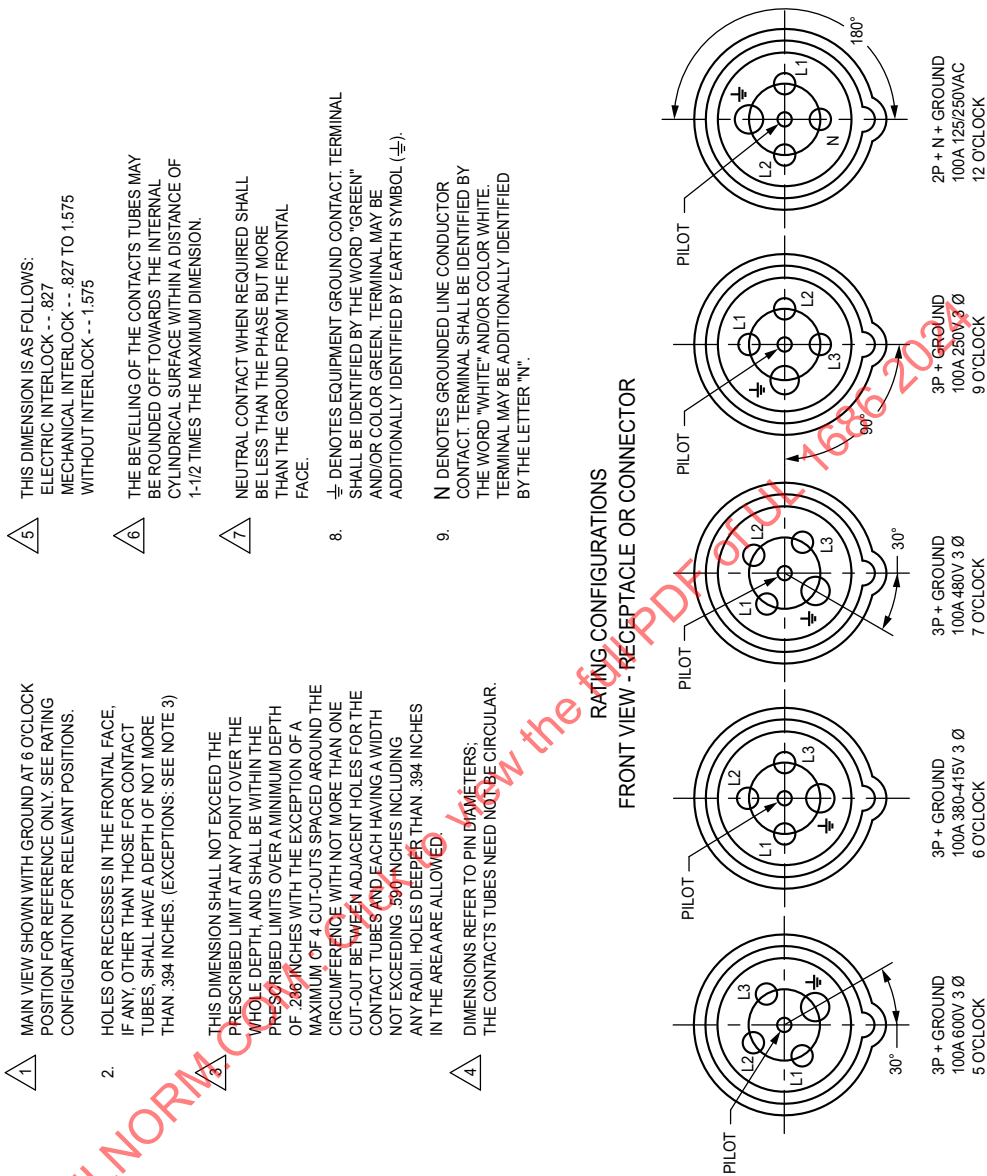
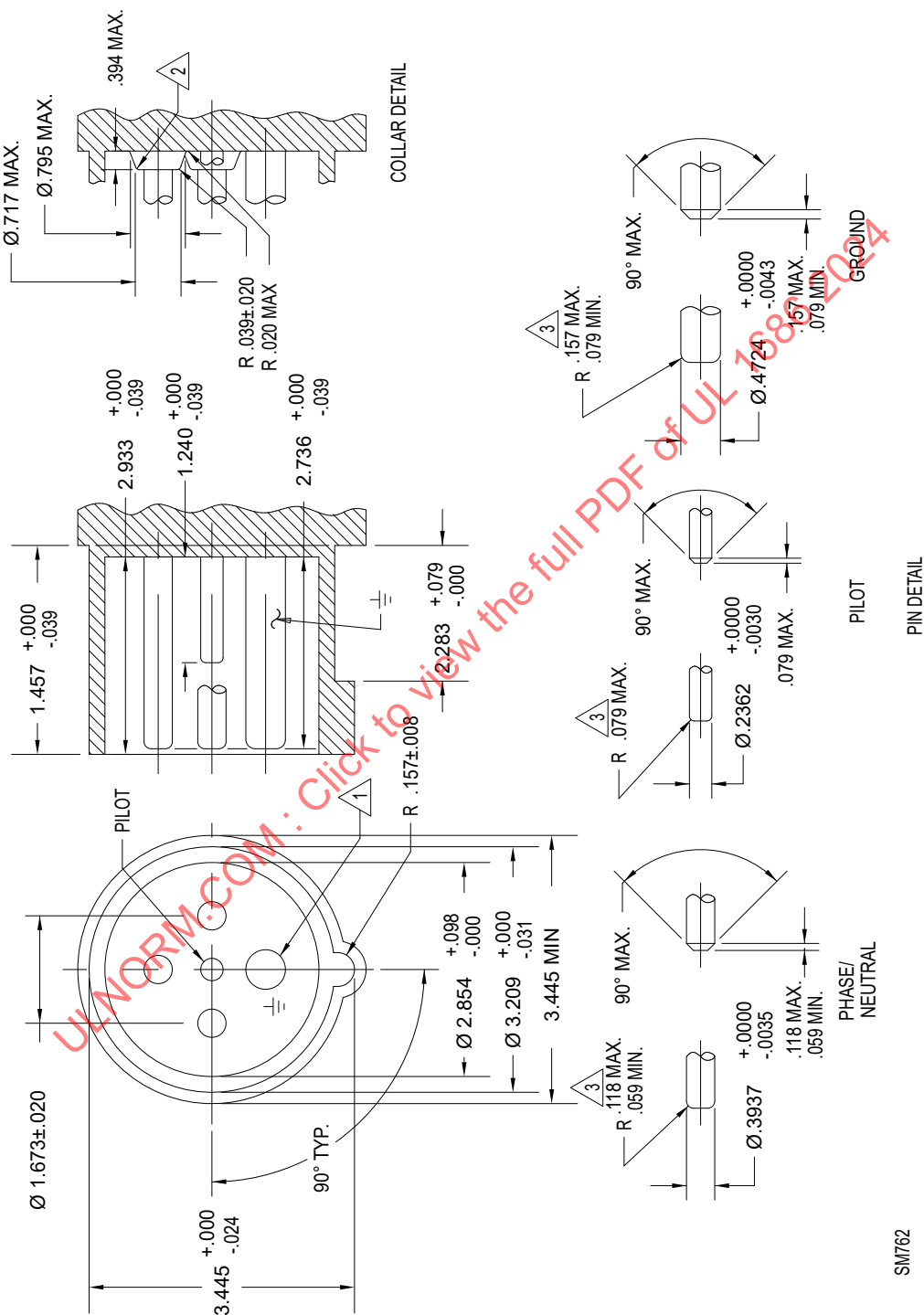
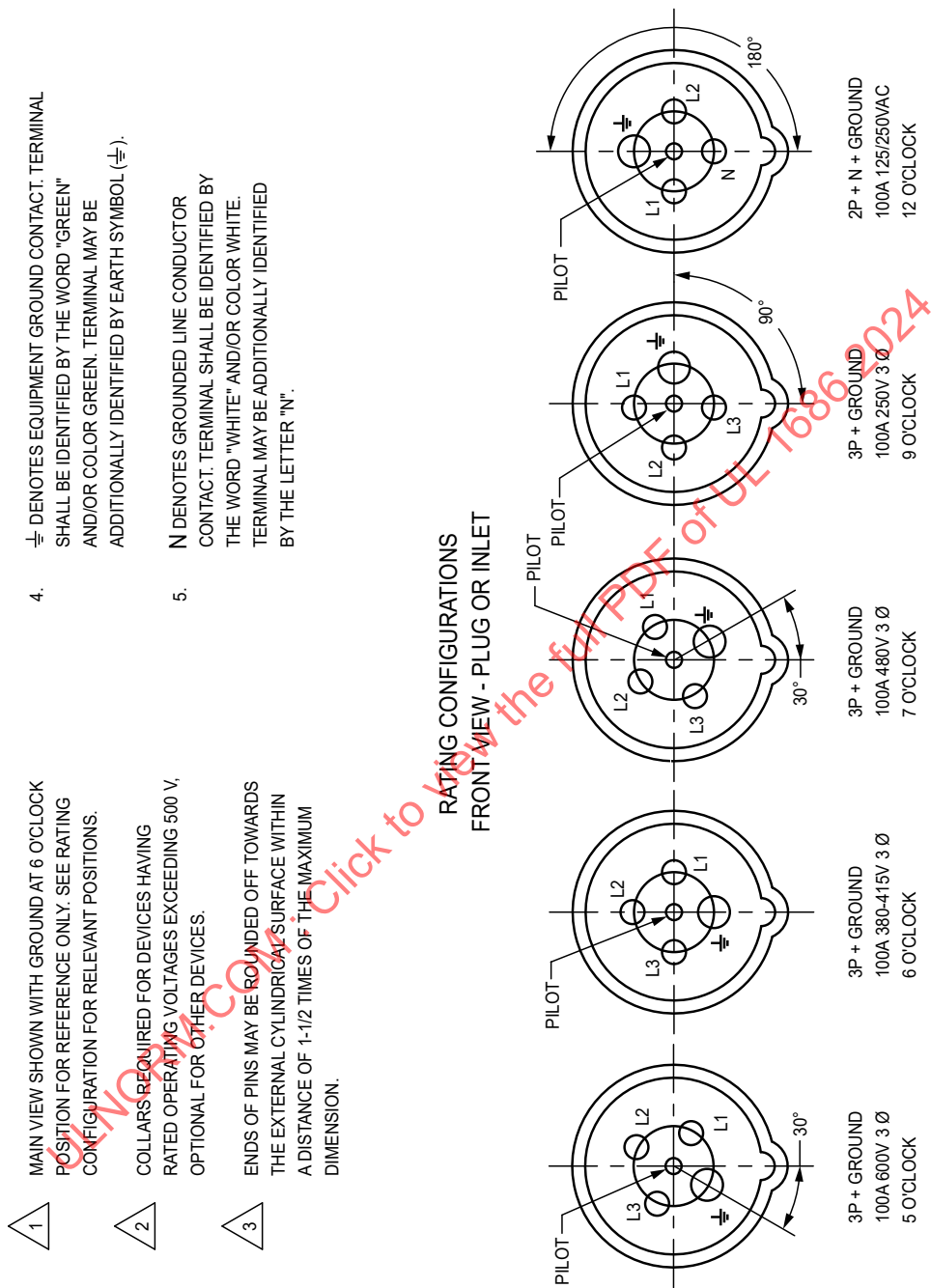


Figure C2.32
Plug or Inlet
100 Ampere, 4 Wire With Pilot



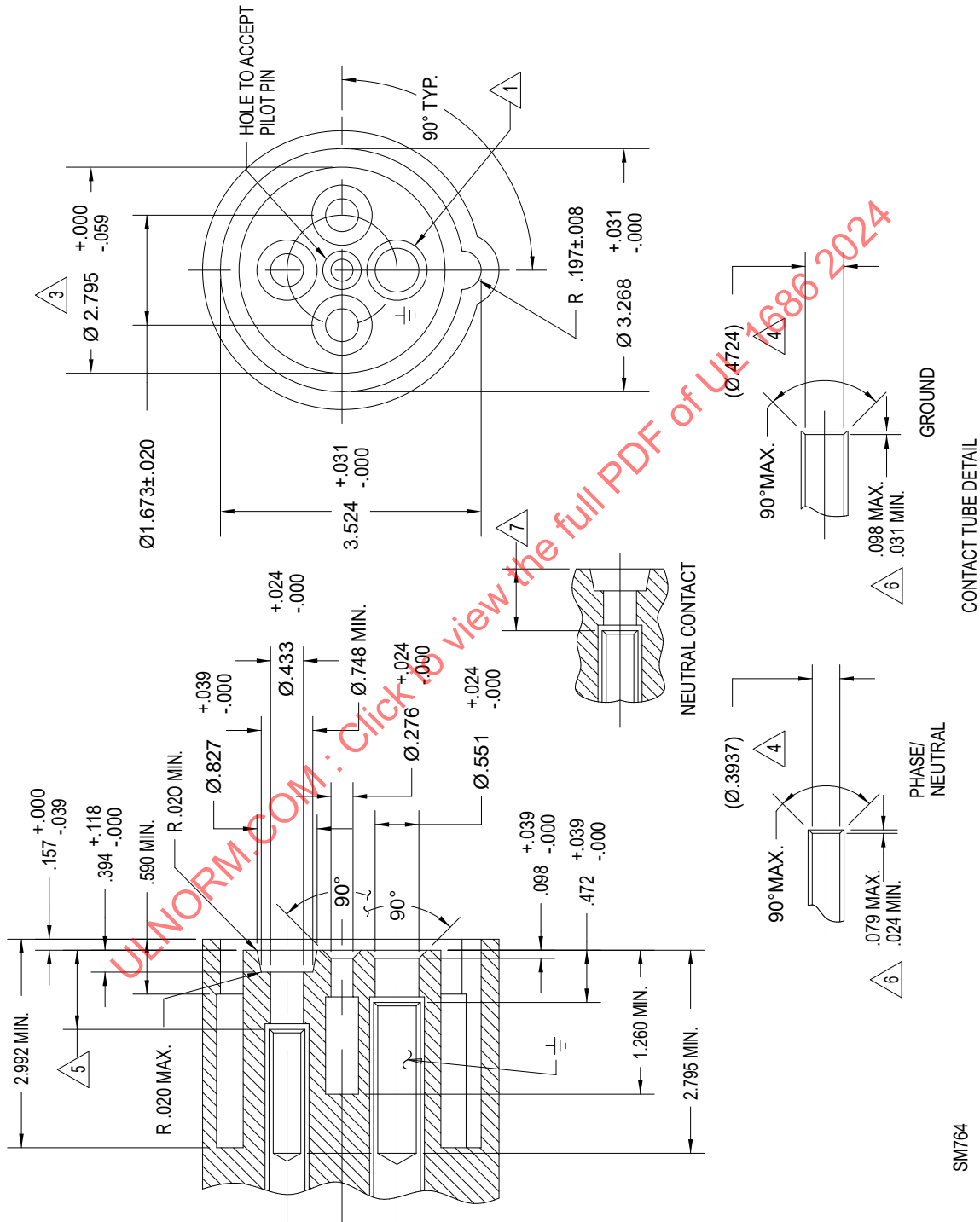
(Continued)

Figure C2.32 (Cont.)



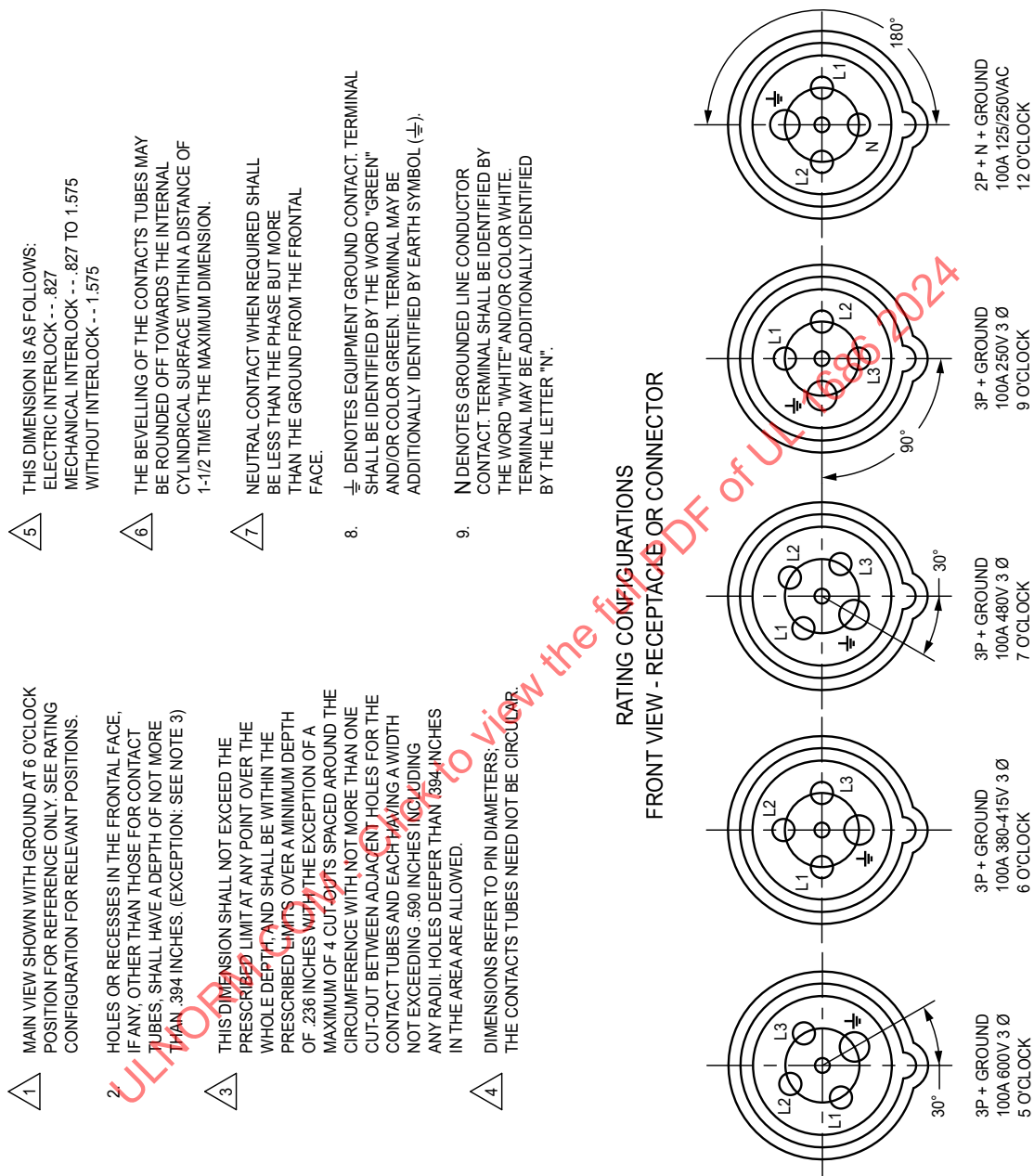
su1368

Figure C2.33
Receptacle or Connector
100 Ampere, 4 Wire Without Pilot



(Continued)

Figure C2.33 (Cont.)

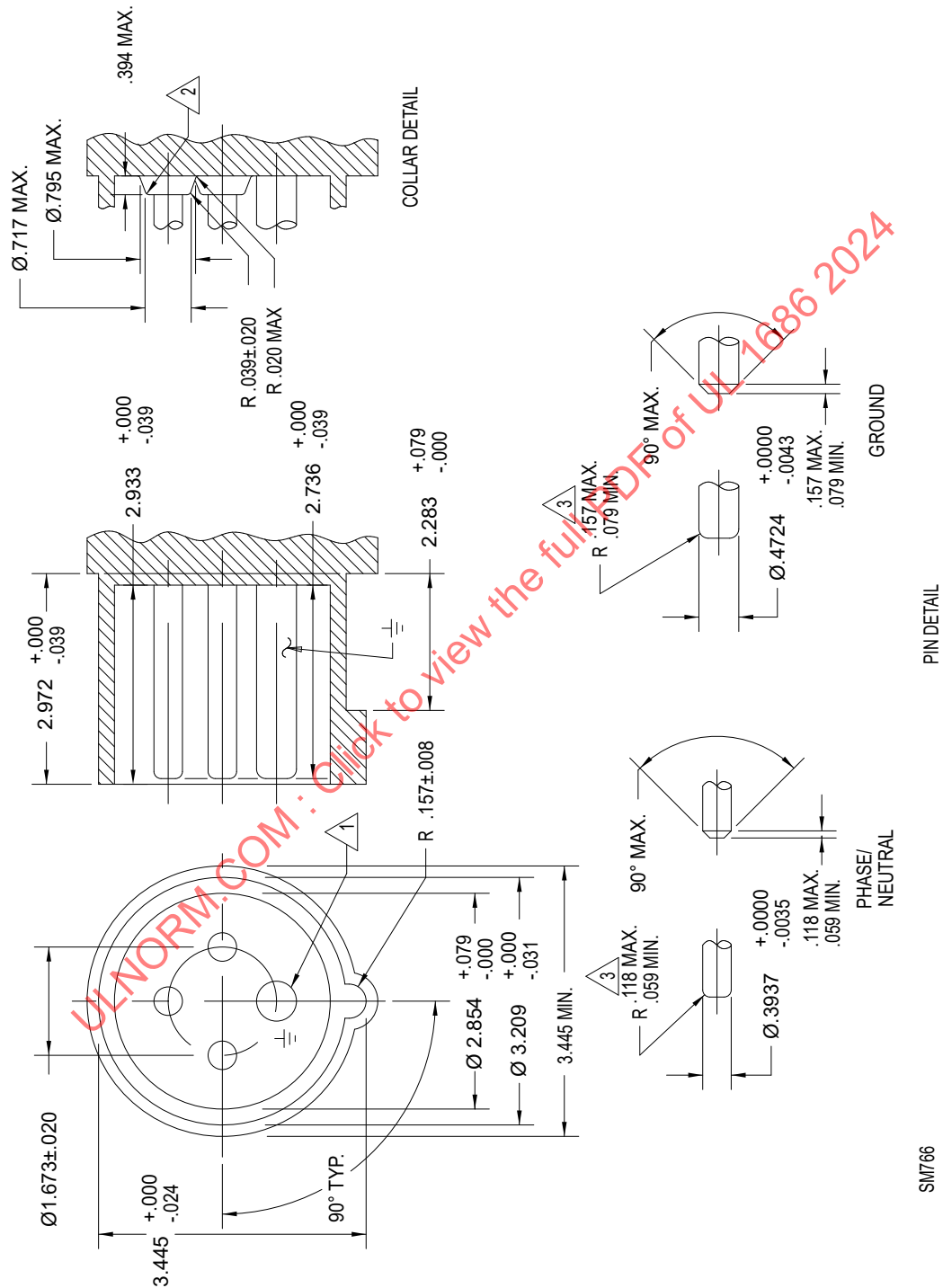


su1369

Figure C2.34

Plug or Inlet

100 Ampere, 4 Wire Without Pilot



(Continued)

Figure C2.34 (Cont.)

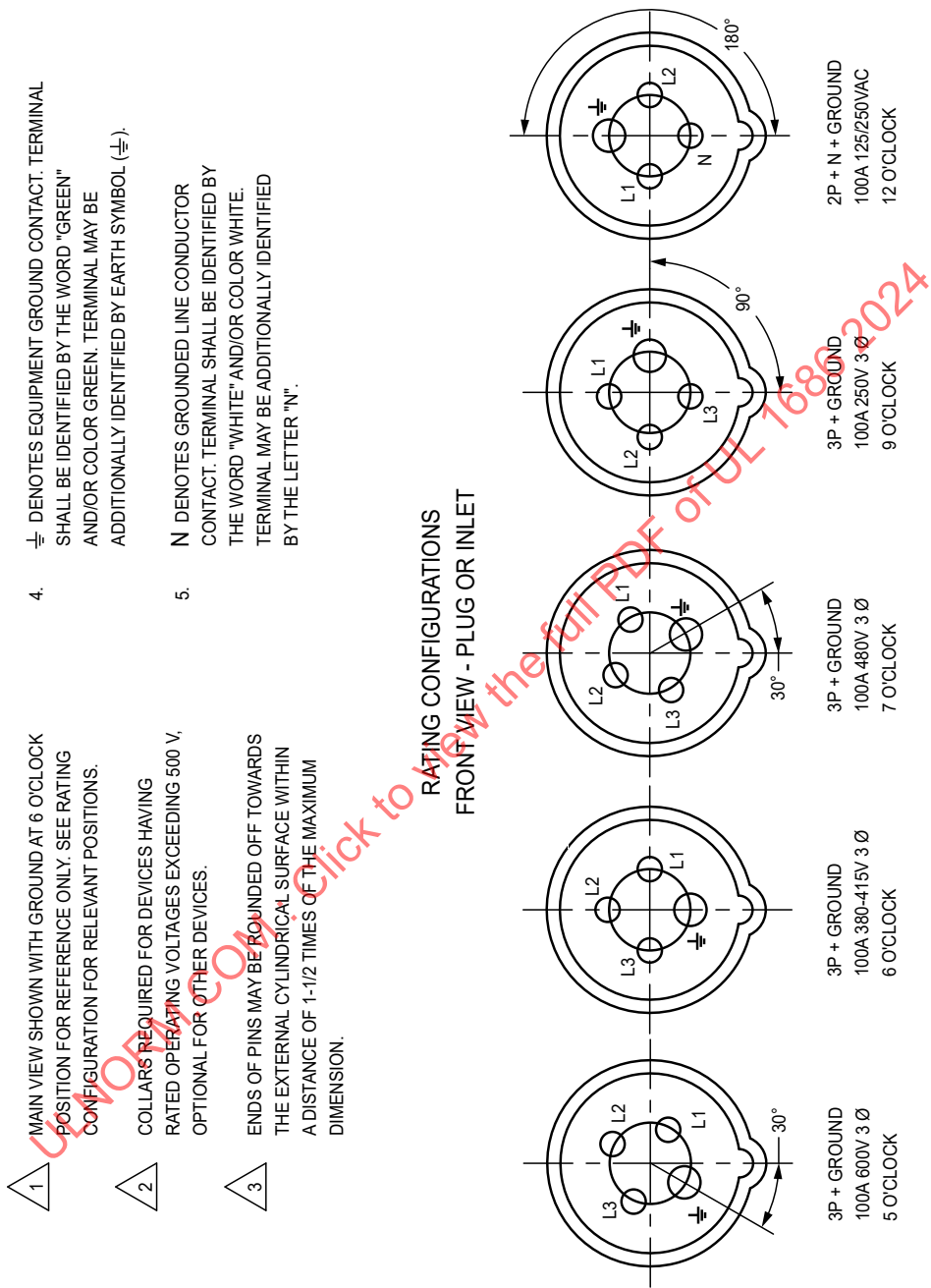
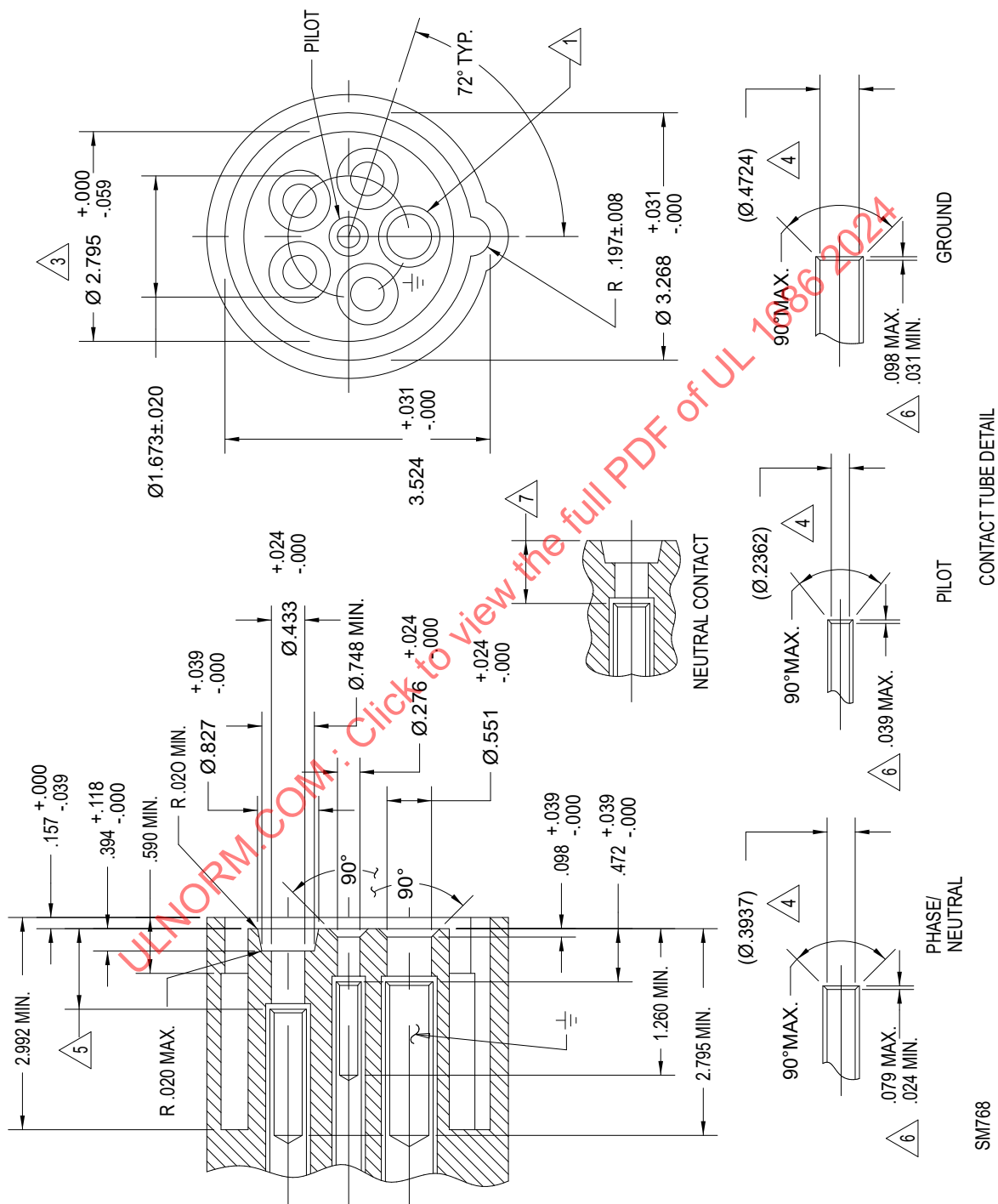
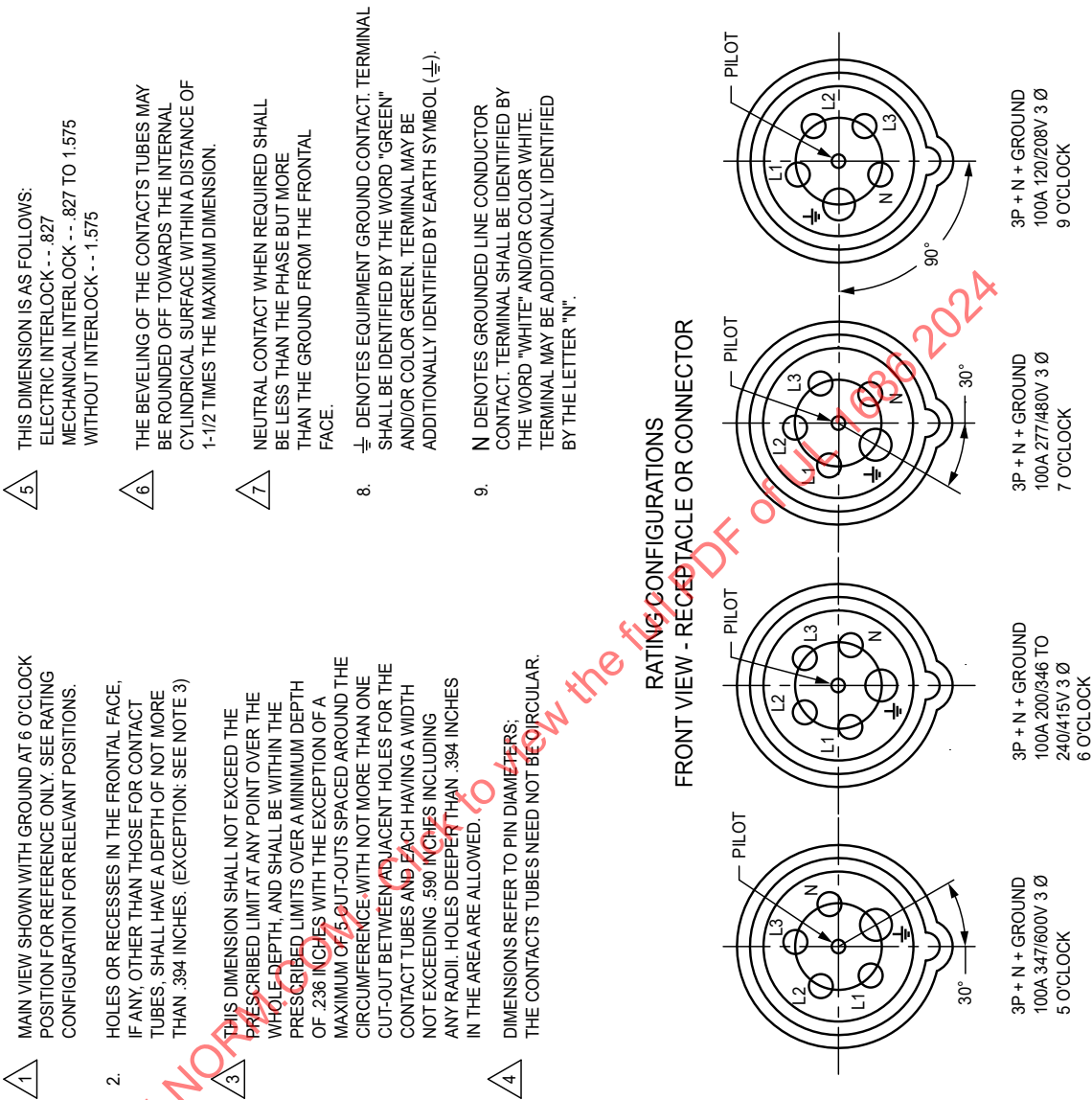


Figure C2.35
Receptacle or Connector
100 Ampere, 5 Wire With Pilot



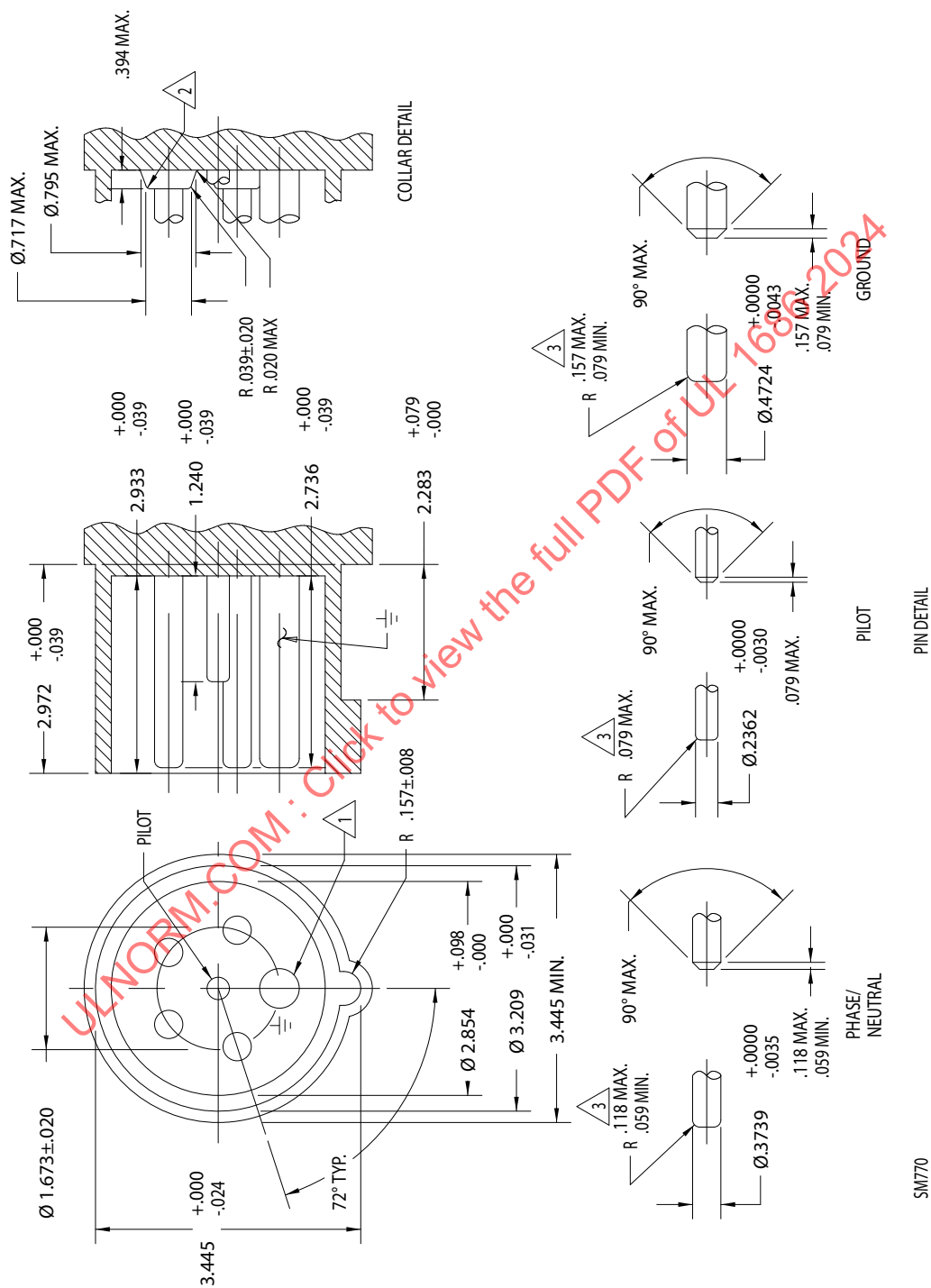
(Continued)

Figure C2.35 (Cont.)



su1371

Figure C2.36
Plug or Inlet
100 Ampere, 5 Wire With Pilot



(Continued)

Figure C2.36 (Cont.)

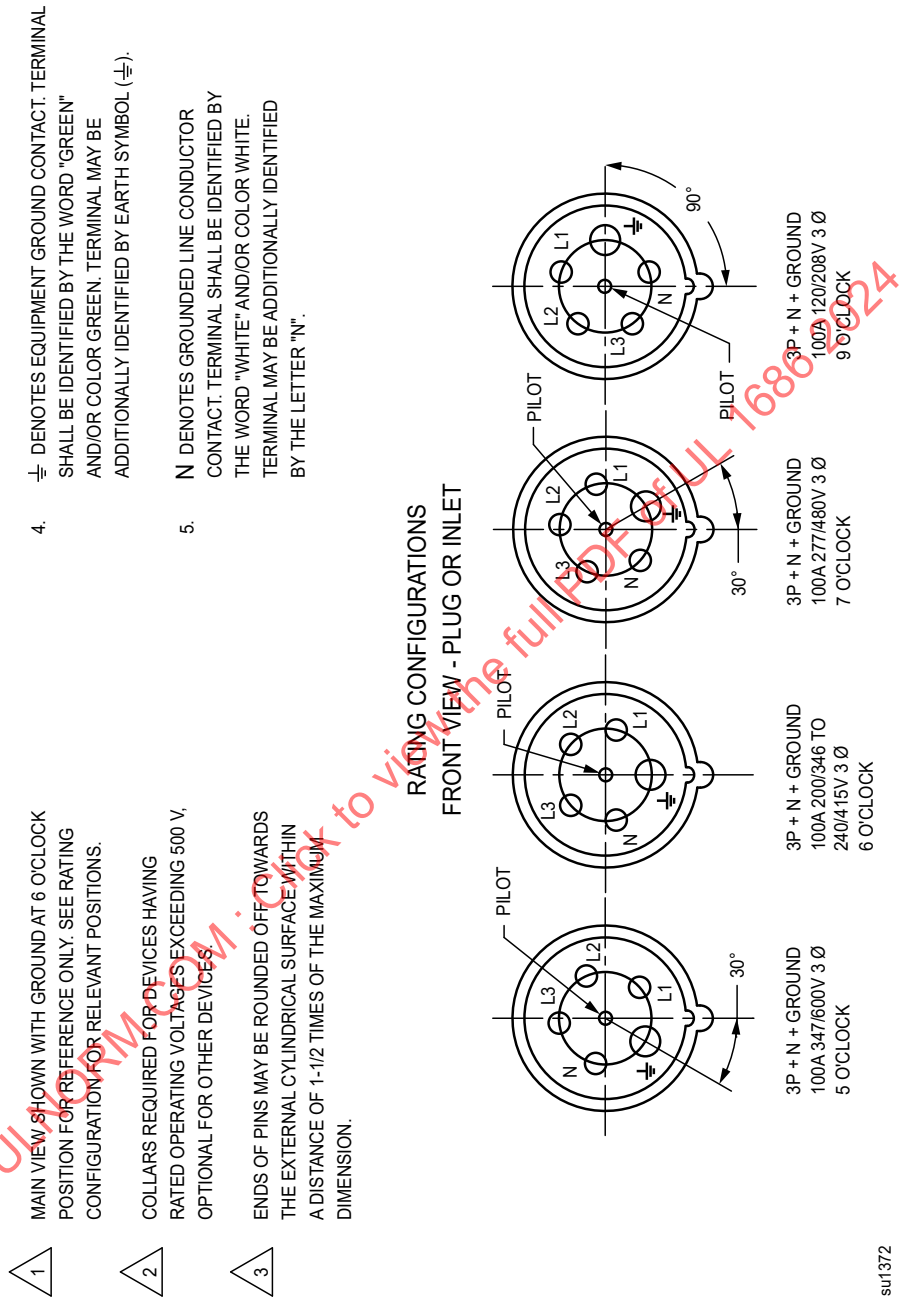
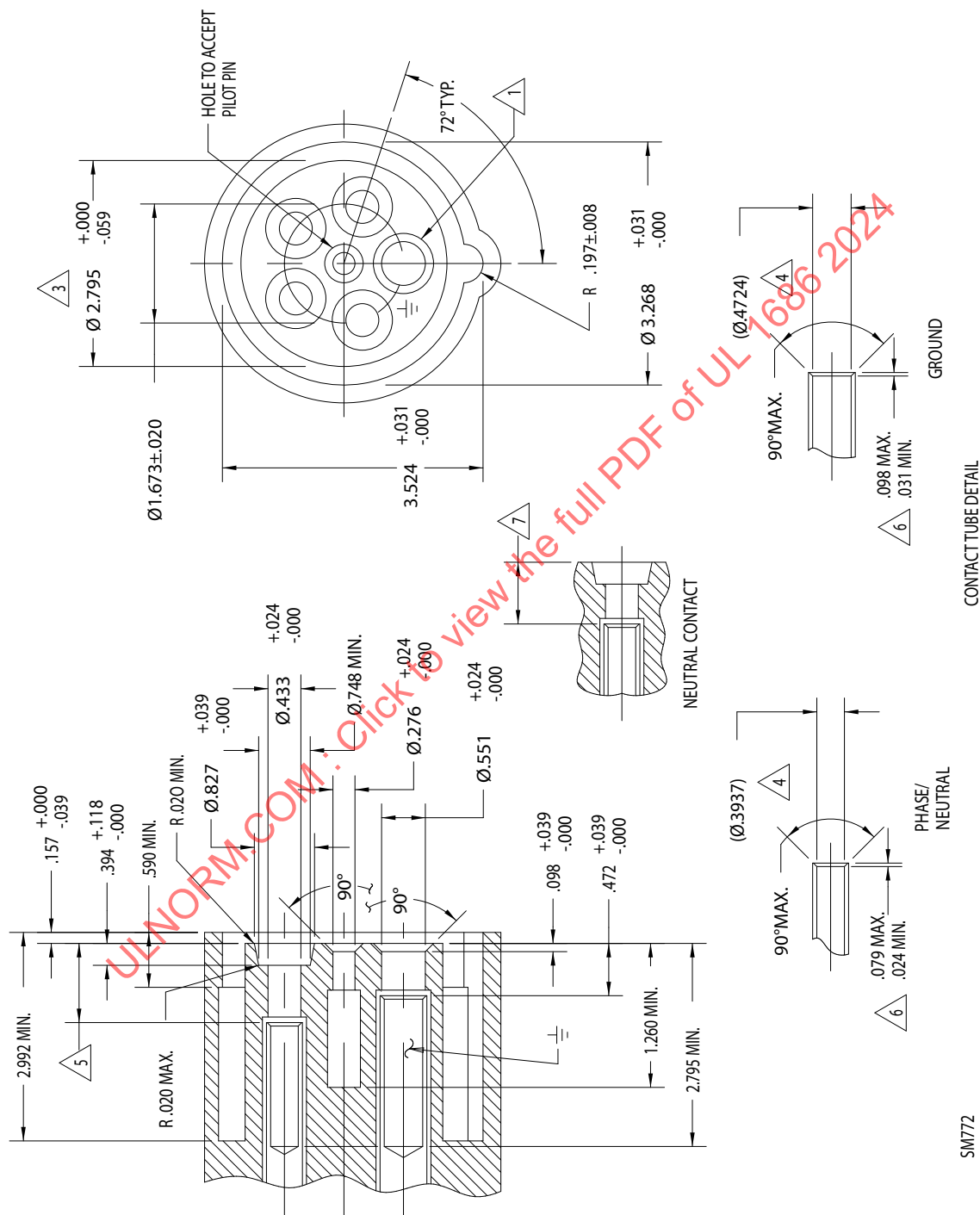


Figure C2.37
Receptacle or Connector
100 Ampere, 5 Wire Without Pilot



(Continued)

Figure C2.37 (Cont'd)

FIGURE C2.37 (CONT.)

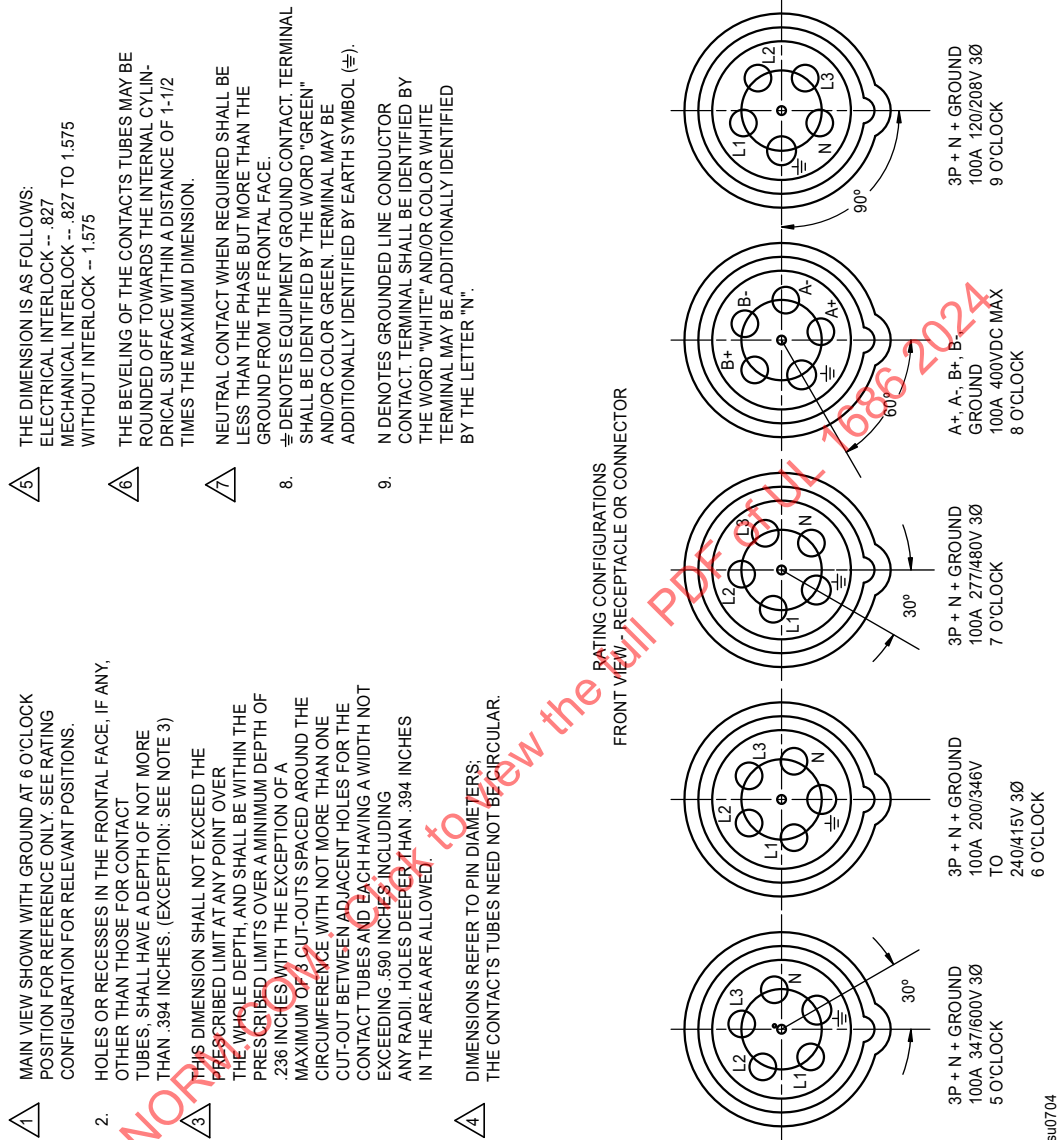
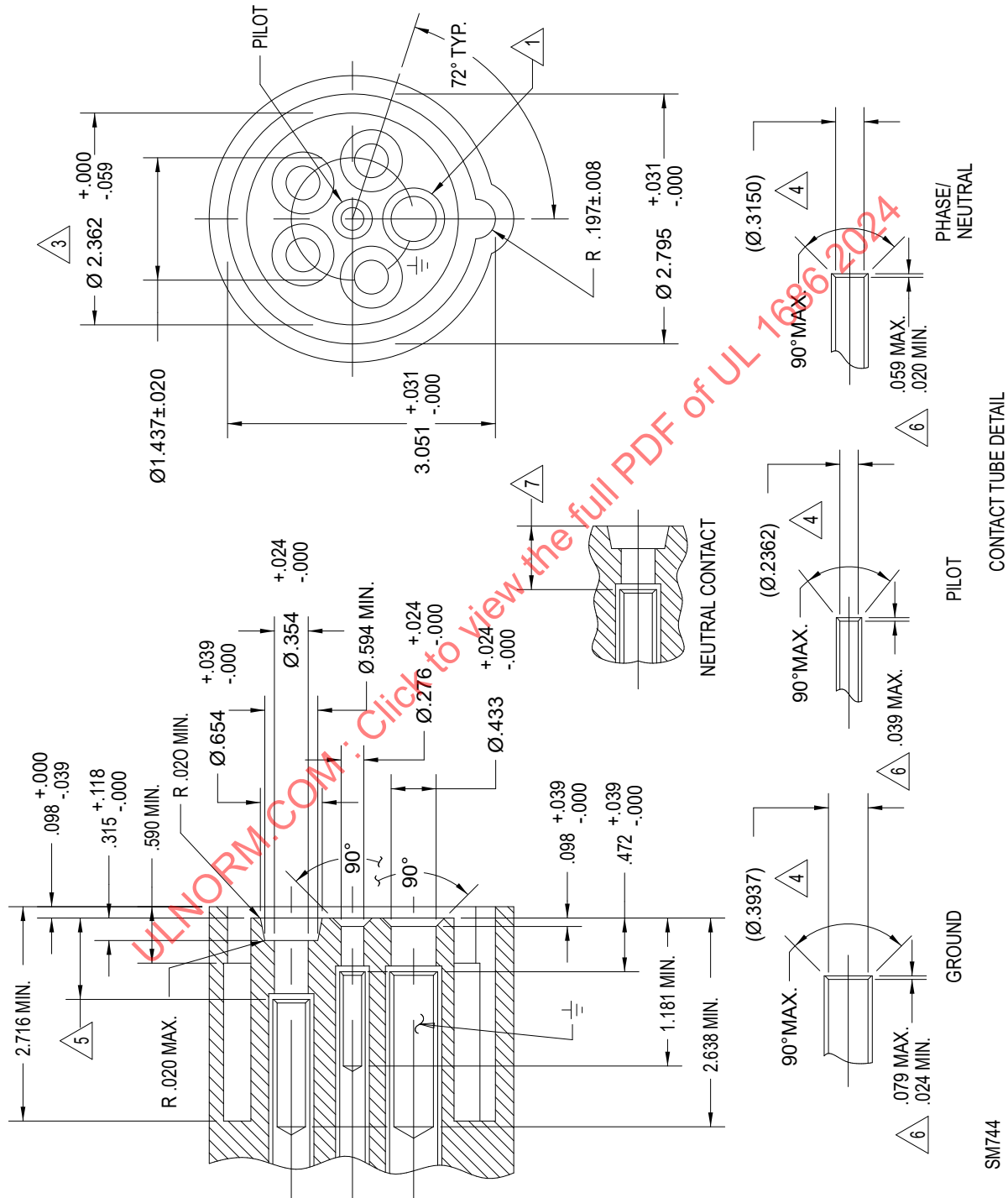


Figure C2.38

Plug or Inlet

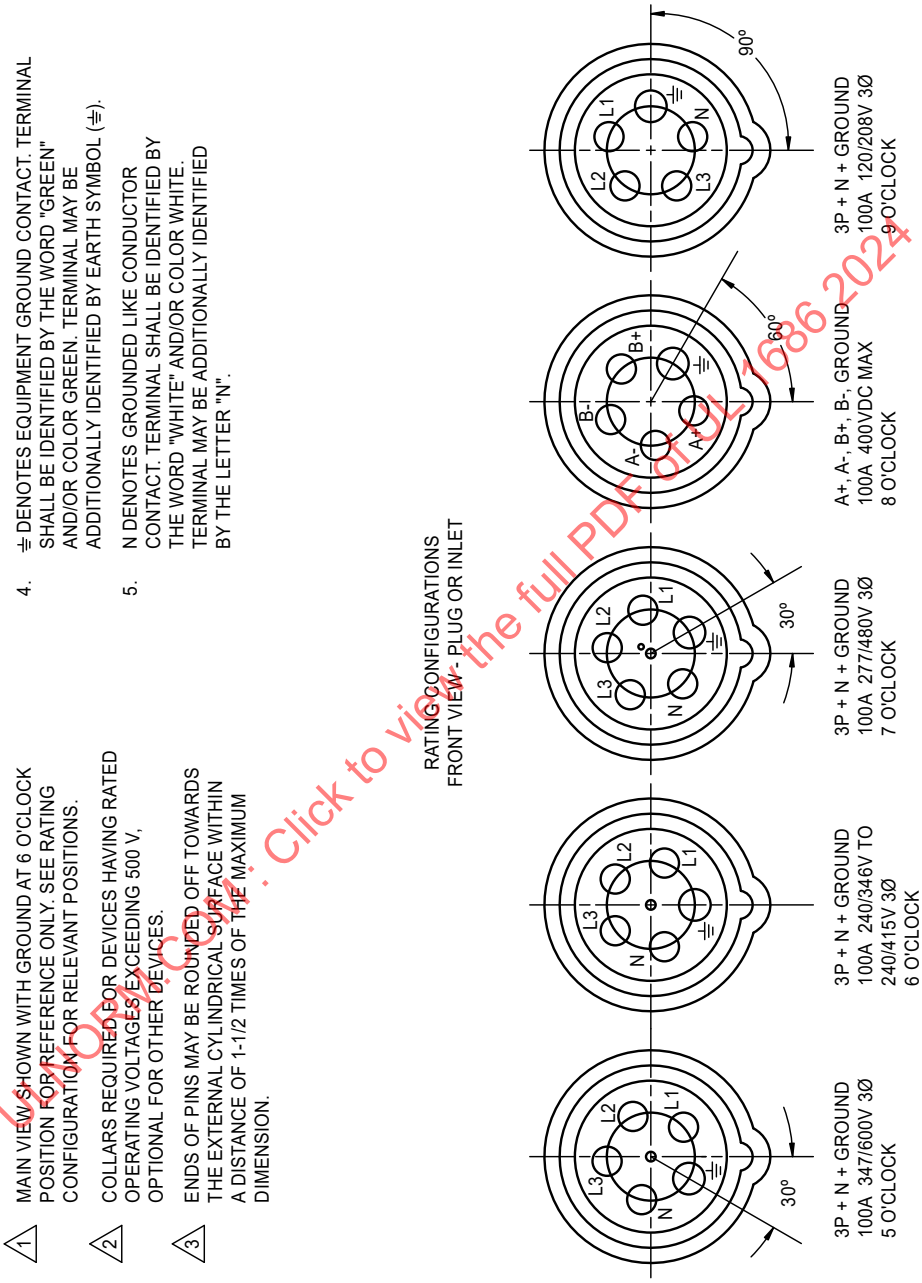
100 Ampere, 5 Wire Without Pilot



(Continued)

Figure C2.38 (Cont.)

FIGURE C2.38 (CONT.)

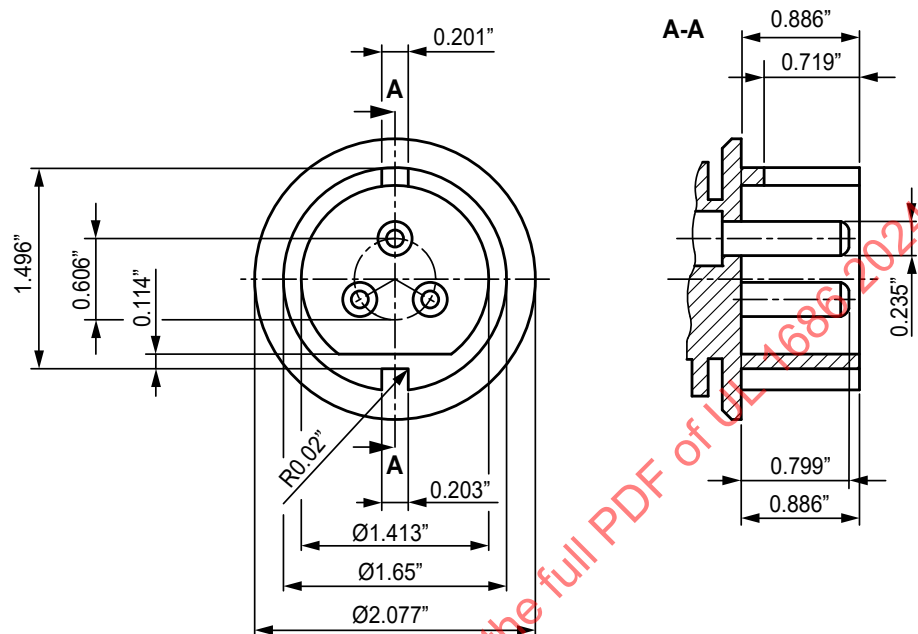


su0705

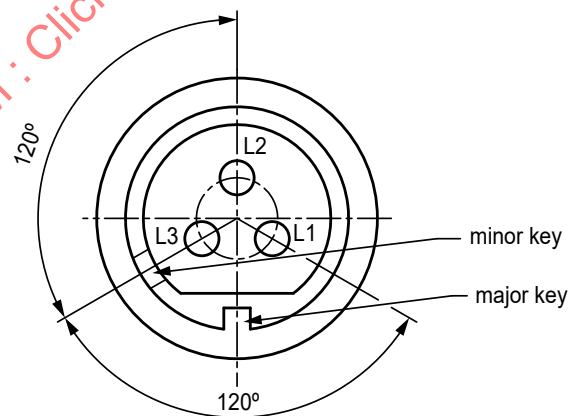
Figure C2.39

Plug or Inlet

32/30 Ampere, 3-Wire Not Exceeding 50 V



RATING CONFIGURATIONS
FRONT VIEW - PLUG OR INLET



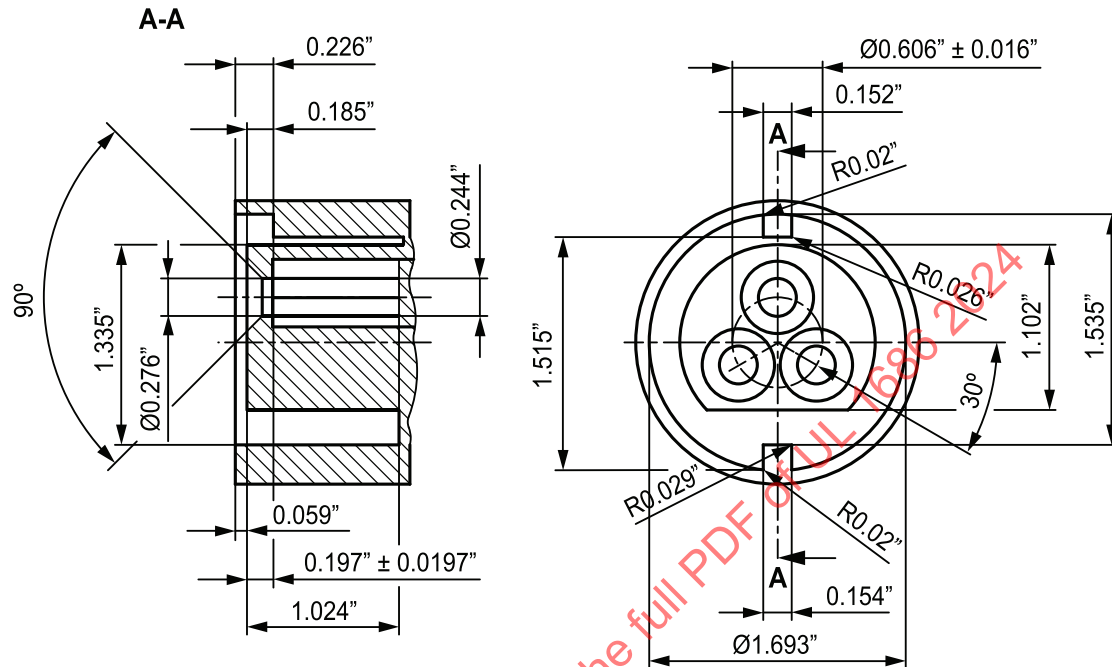
3 P
32 / 30, NOT EXCEEDING 50 VOLTS
4 O'CLOCK

su1638

Figure C2.40

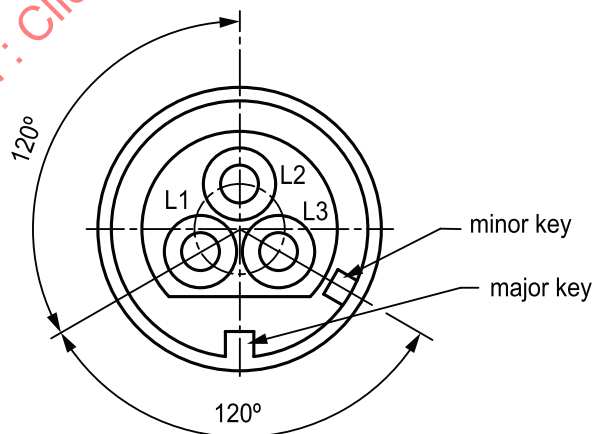
Receptacle or connector

32/30 Ampere, 3-wire not exceeding 50 V



RATING CONFIGURATIONS

FRONT VIEW - RECEPTACLE OR CONNECTOR

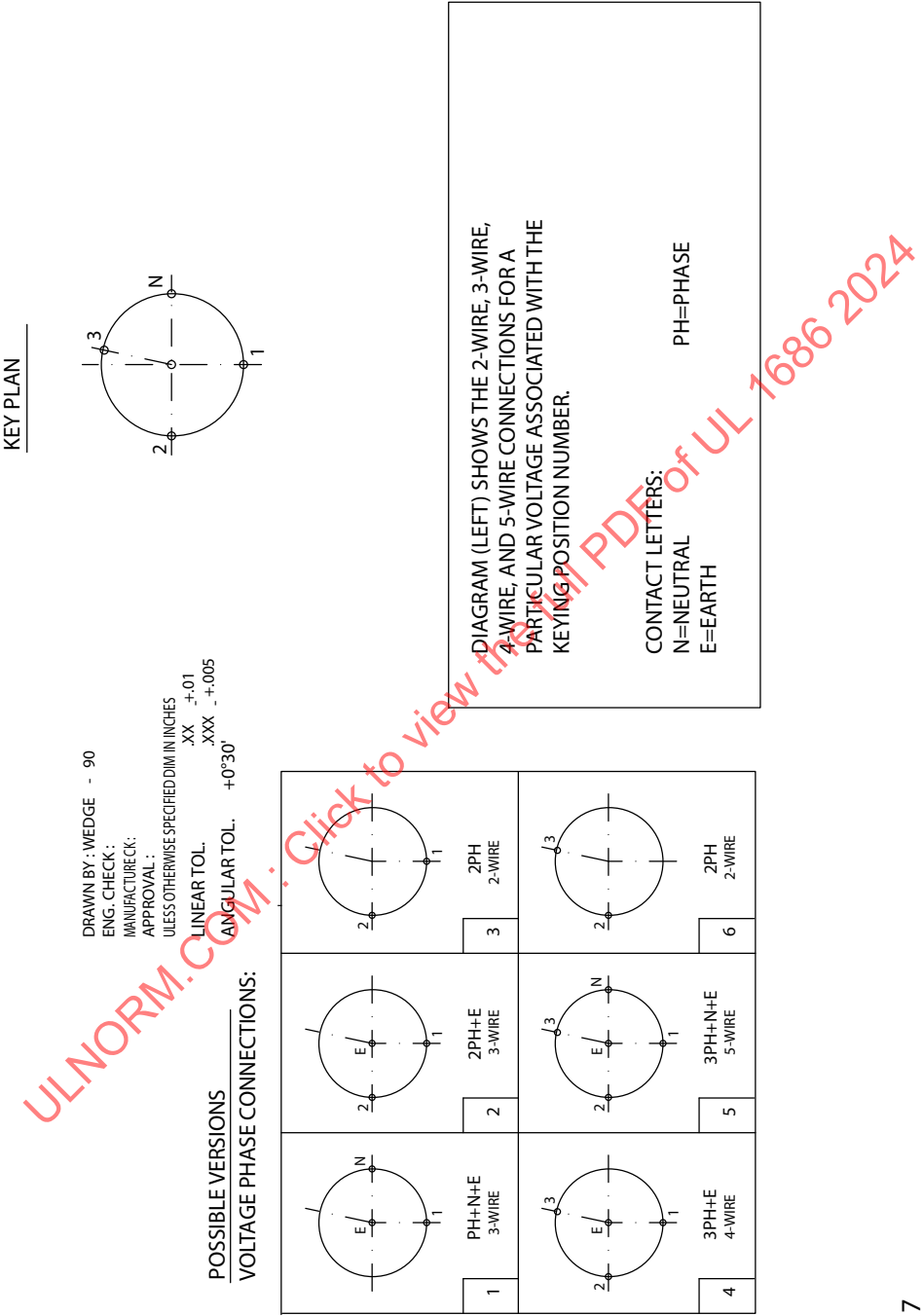


3 P
32 / 30, NOT EXCEEDING 50 VOLTS
4 O'CLOCK

su1639

C3 Configurations

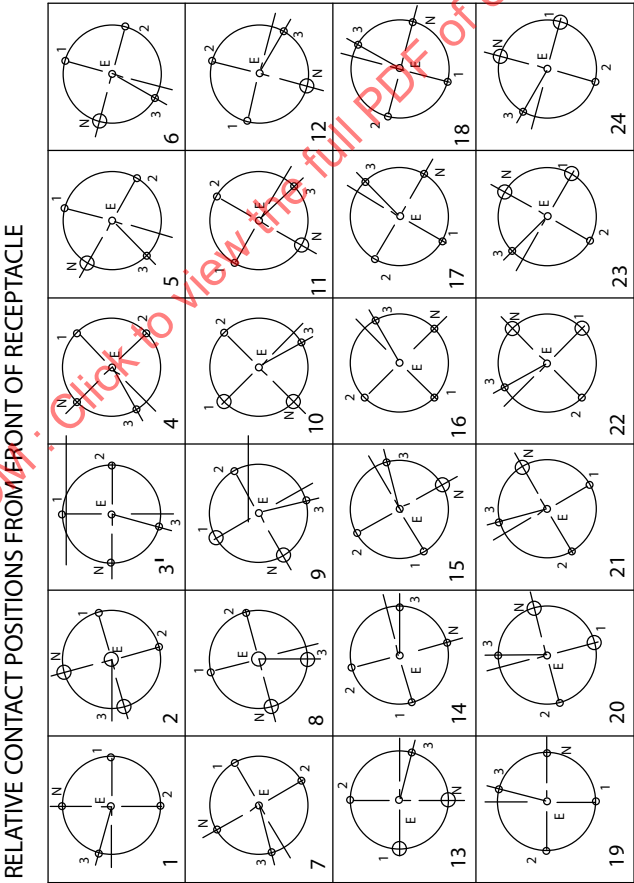
Figure C3.1



SM1317

Figure C3.2

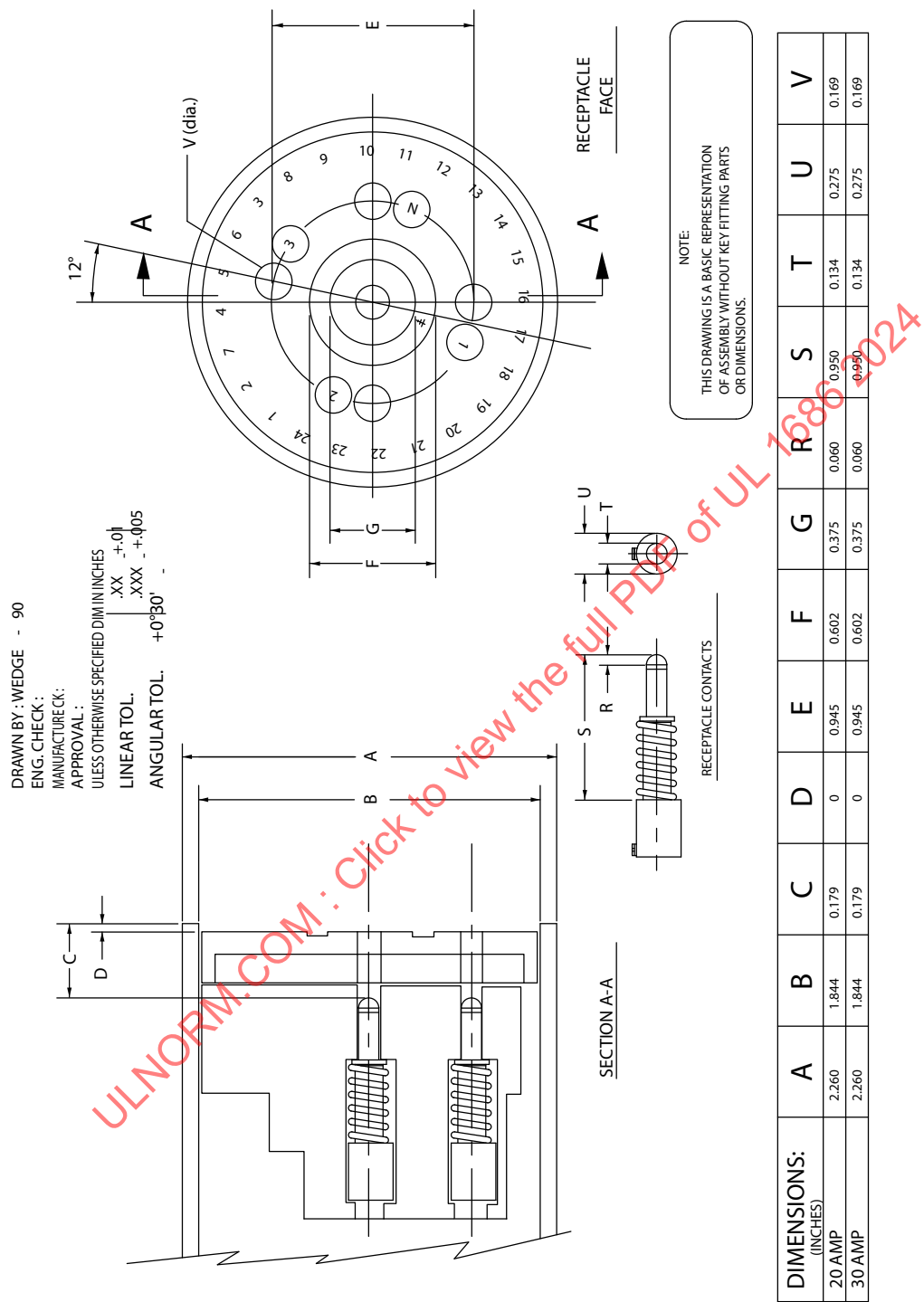
VOLTAGE ASSIGNMENTS		
POSITION	VOLTAGE	FREQUENCY
1	380-440 AC	50 HZ
3	220-240 AC	50 HZ
4	480 AC	60 HZ
7	240 AC	60 HZ
8	208 AC	60 HZ
11	200-220 AC	400 HZ
12	200-220 AC	200 HZ
14	347/600 AC	60 HZ
16	208 AC	60 HZ
17	120-208/240	60 HZ
19	660 AC	50 HZ
20	250 DC	-
21	440/240 AC	60 HZ
23	277/480 AC	60 HZ



SM1318

MAXIMUM VOLTAGE 600V A.C./250V D.C.
POSITIONS 7, 8, 14, AND 23 ARE USED FOR 30 AMP SIZE.
FOR 20 AMP AND 30 AMP SIZES

Figure C3.3

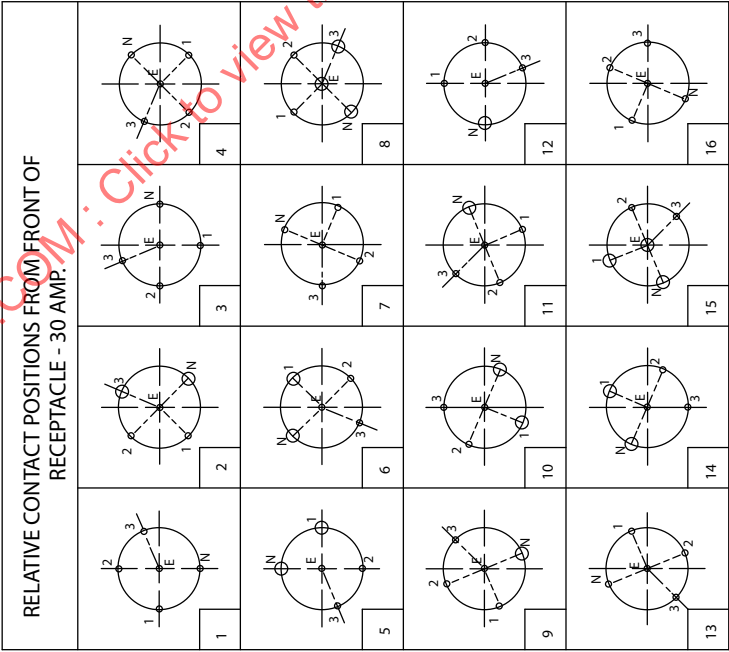


SM1319

Figure C3.4

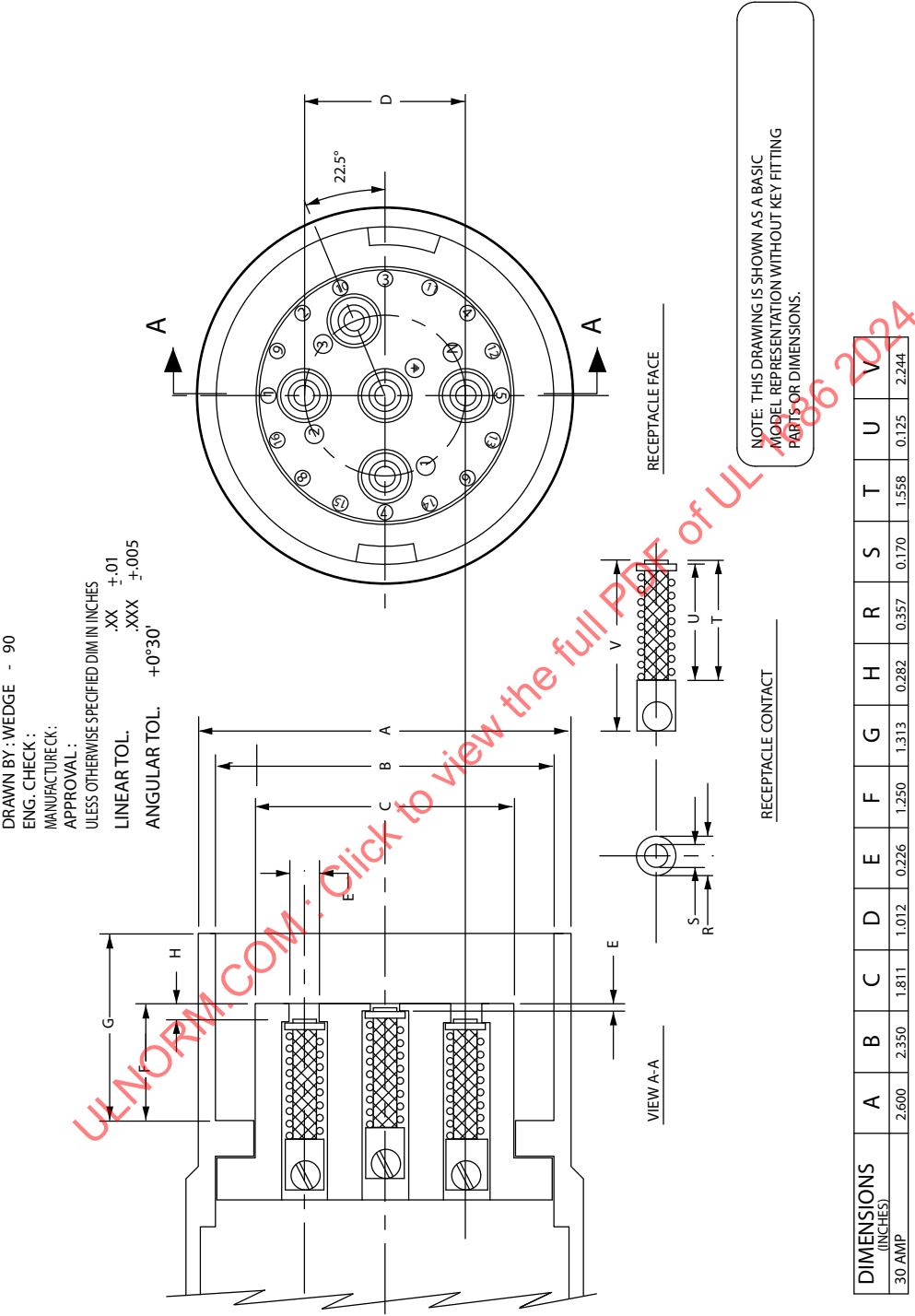
VOLTAGE ASSIGNMENTS		
POSITION	VOLTAGE	FREQUENCY
1	380-440 AC	50 HZ
2	24 AC	60 HZ
3	220-240 AC	50 HZ
4	480 AC	60 HZ
7	240 AC	60 HZ
8	24 AC	50 HZ
9	500 AC	50 HZ
10	130 DC	-
11	200-220 AC	400 HZ
12	200-220 AC	200 HZ
16	208 AC	60 HZ

MAXIMUM VOLTAGE 600V A.C./130V D.C.
5 POSITIONS ARE LEFT FREE TO COVER PARTICULAR NEEDS:
-POSITION 13 FOR A C 3-PHASE WITH NEUTRAL
-POSITIONS 5, 6, 14, AND 15 FOR CURRENTS USING 2 OR 3 WIRES, AND FOR DIRECT CURRENTS.



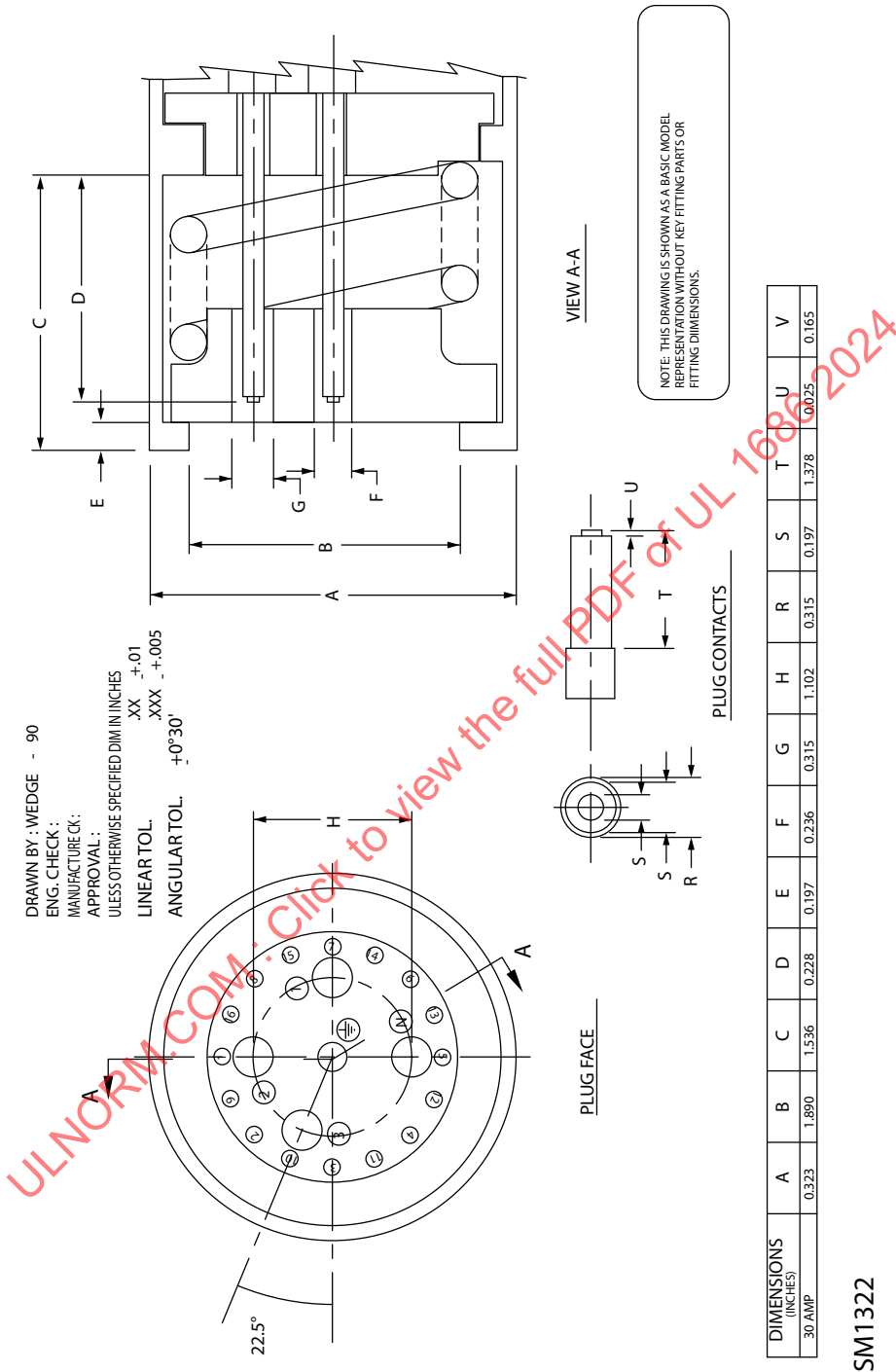
SM1320

Figure C3.5



SM1321

Figure C3.6



SM1322

Figure C3.7

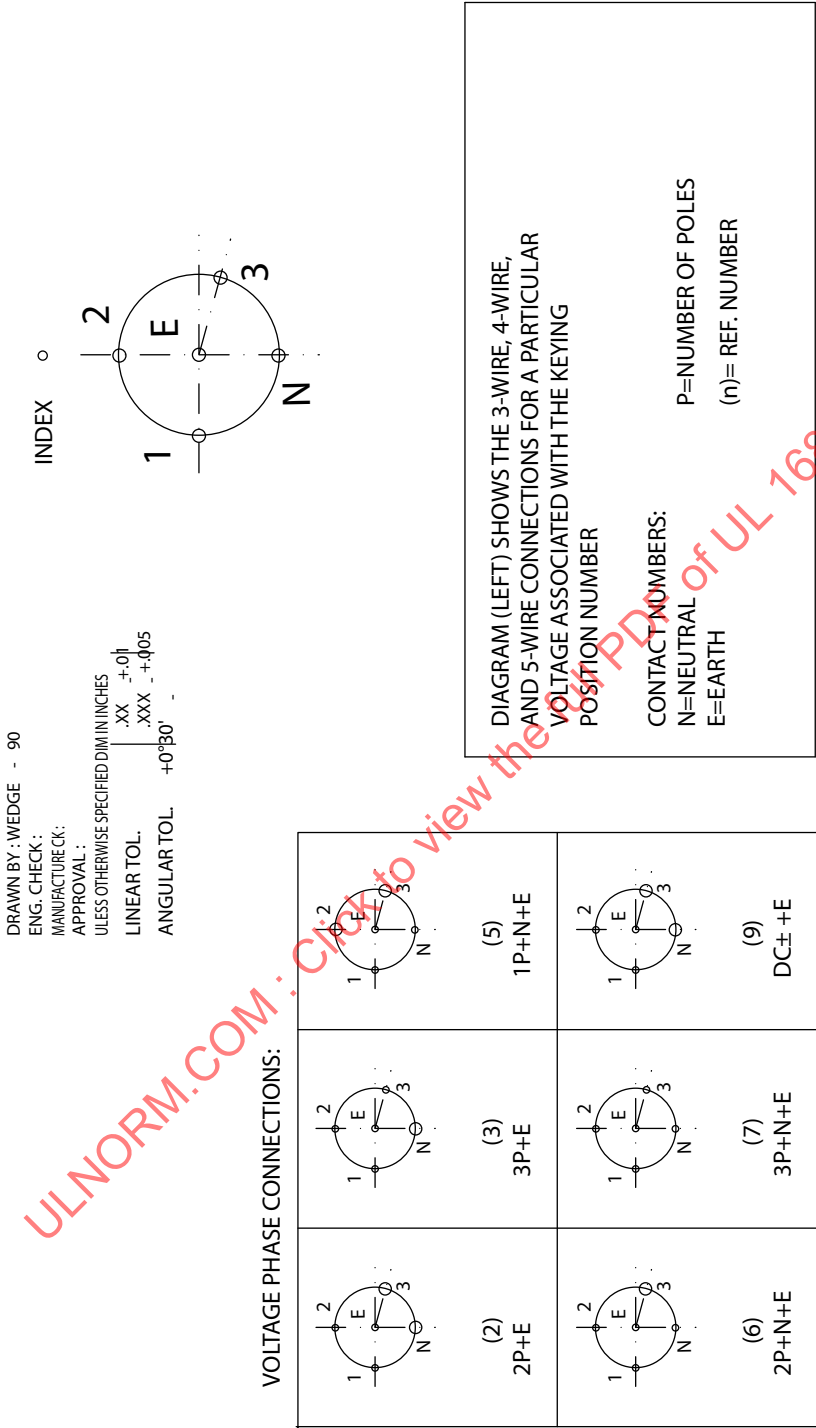
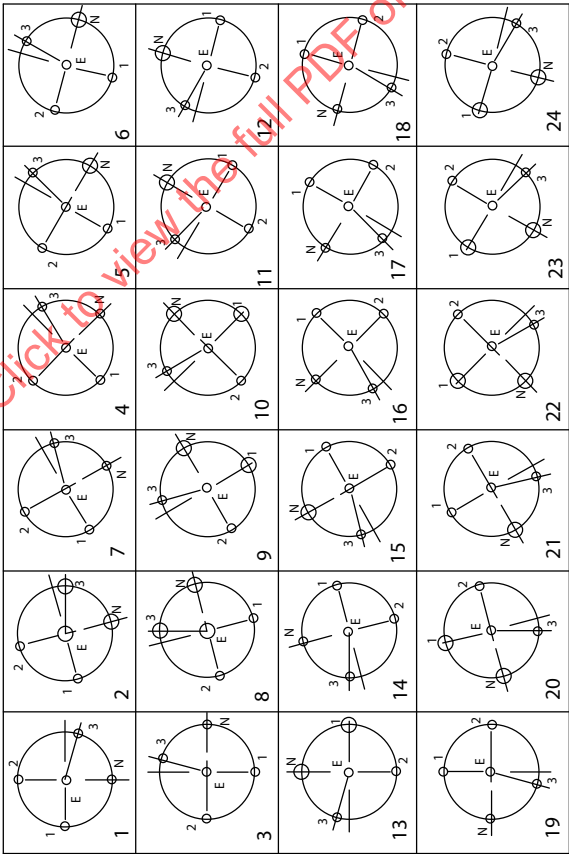


Figure C3.8

VOLTAGE ASSIGNMENTS		
POSITION	VOLTAGE	FREQUENCY
1	380-440 AC	50 HZ
3	220-240 AC	50 HZ
4	480 AC	60 HZ
7	240 AC	60 HZ
11	200-220 AC	400 HZ
12	200-220 AC	200 HZ
14	600 AC	60 HZ
16	208 AC	60 HZ
17	120-208/240	60 HZ
19	660 AC	50 HZ
20	250 DC	-
21	440/240 AC	60 HZ

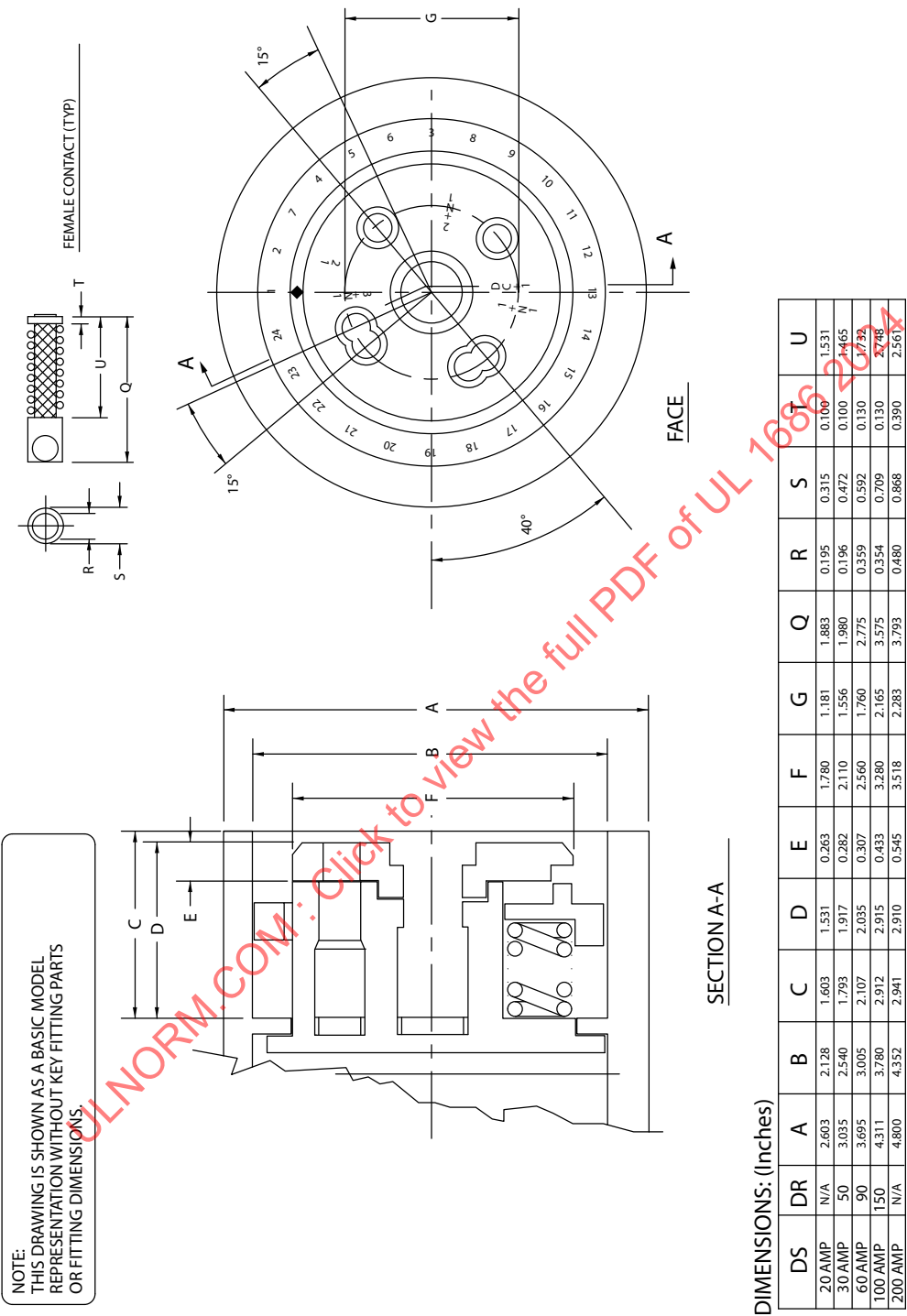
MAXIMUM VOLTAGE 600V A.C./250V D.C.
12 POSITIONS ARE LEFT FREE TO COVER PARTICULAR NEEDS:
-POSITION 18 FOR A.C. 3-PHASE WITH NEUTRAL.
-POSITIONS 5, 6, AND 15 FOR A.C. 3-PHASE
-POSITIONS 2, 8, 9, 10, 13, 22, 23, AND 24 FOR CURRENTS
USING 2 OR 3 WIRES, OR FOR DIRECT CURRENT.
FOR TYPE DS: 20,30,60,100,AND 200 AMP SIZES
DR: 50,90,AND 150 AMP SIZES

RELATIVE CONTACT POSITIONS FROM FRONT OF RECEPTACLE



SM1324

Figure C3.9



SM1325

Figure C3.10

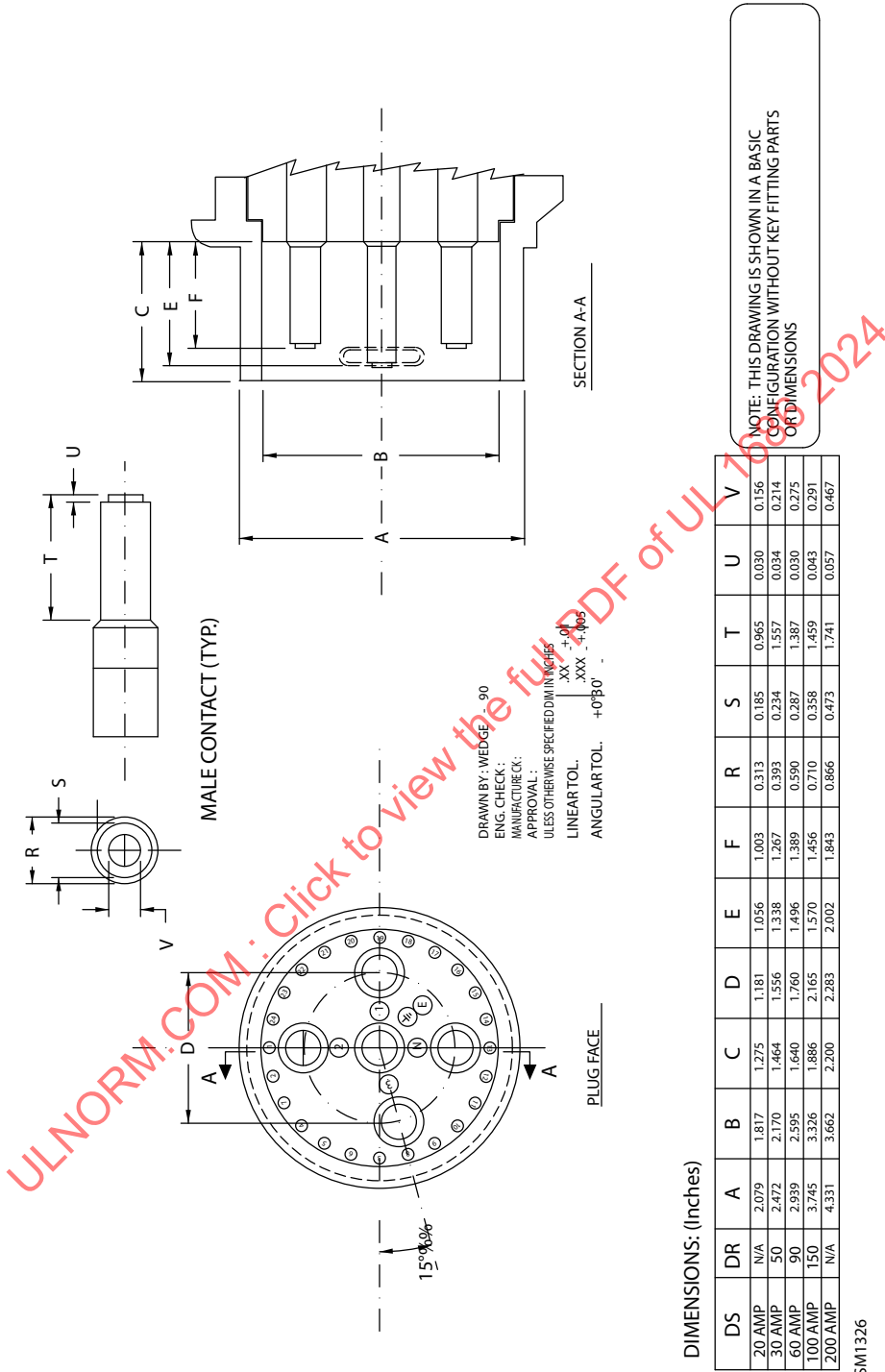
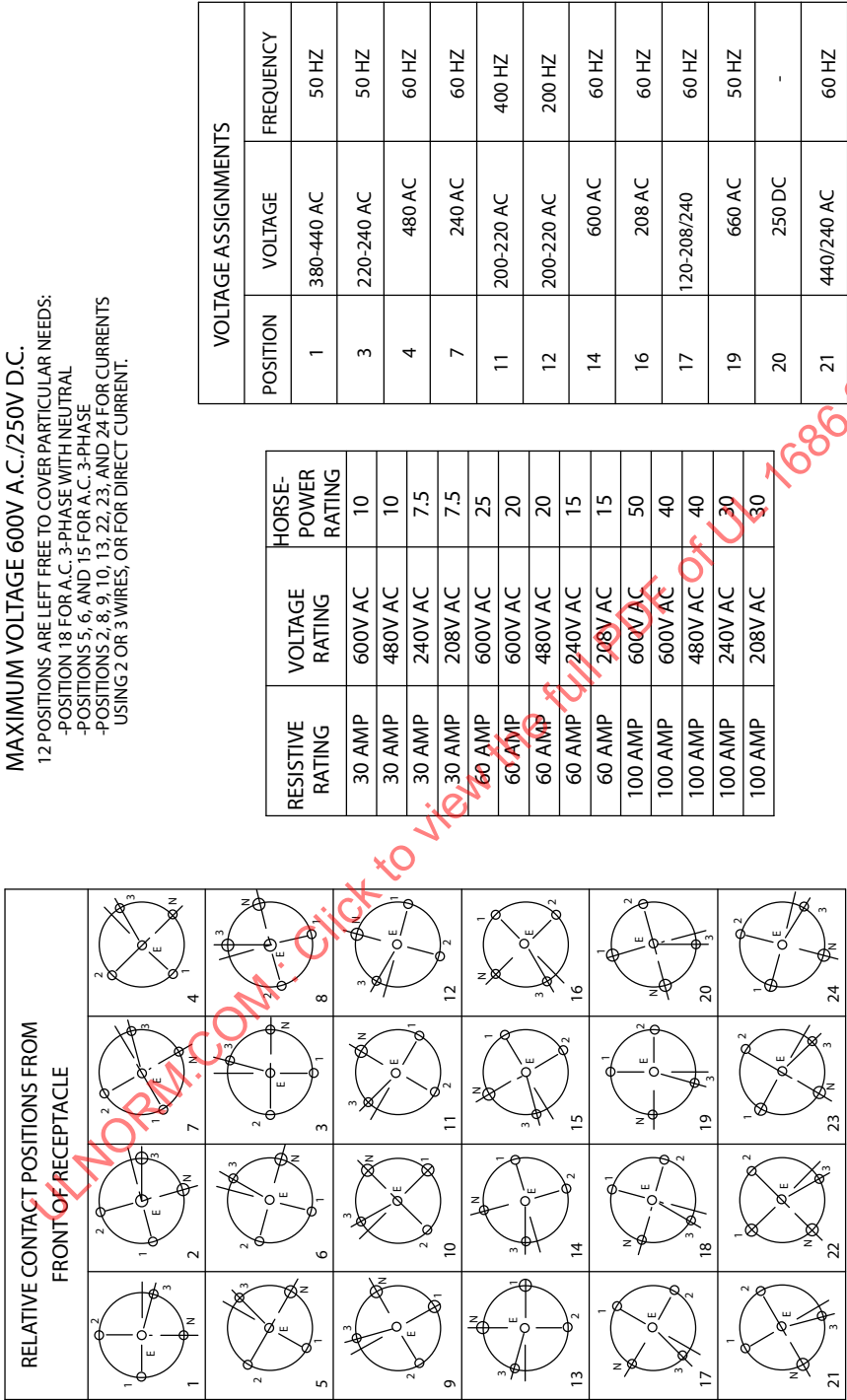
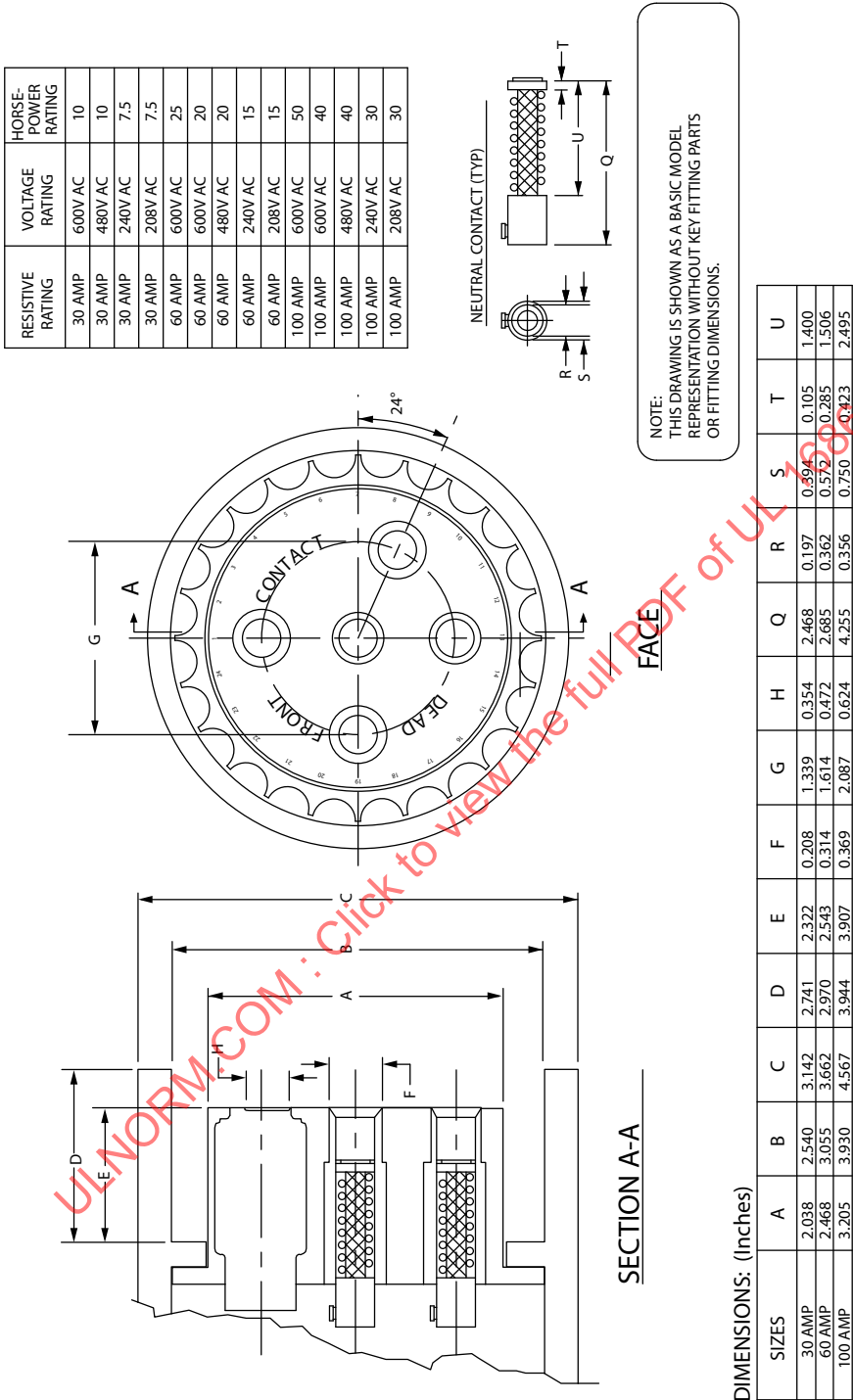


Figure C3.11



SM1327

Figure C3.12



SM1328

Figure C3.13

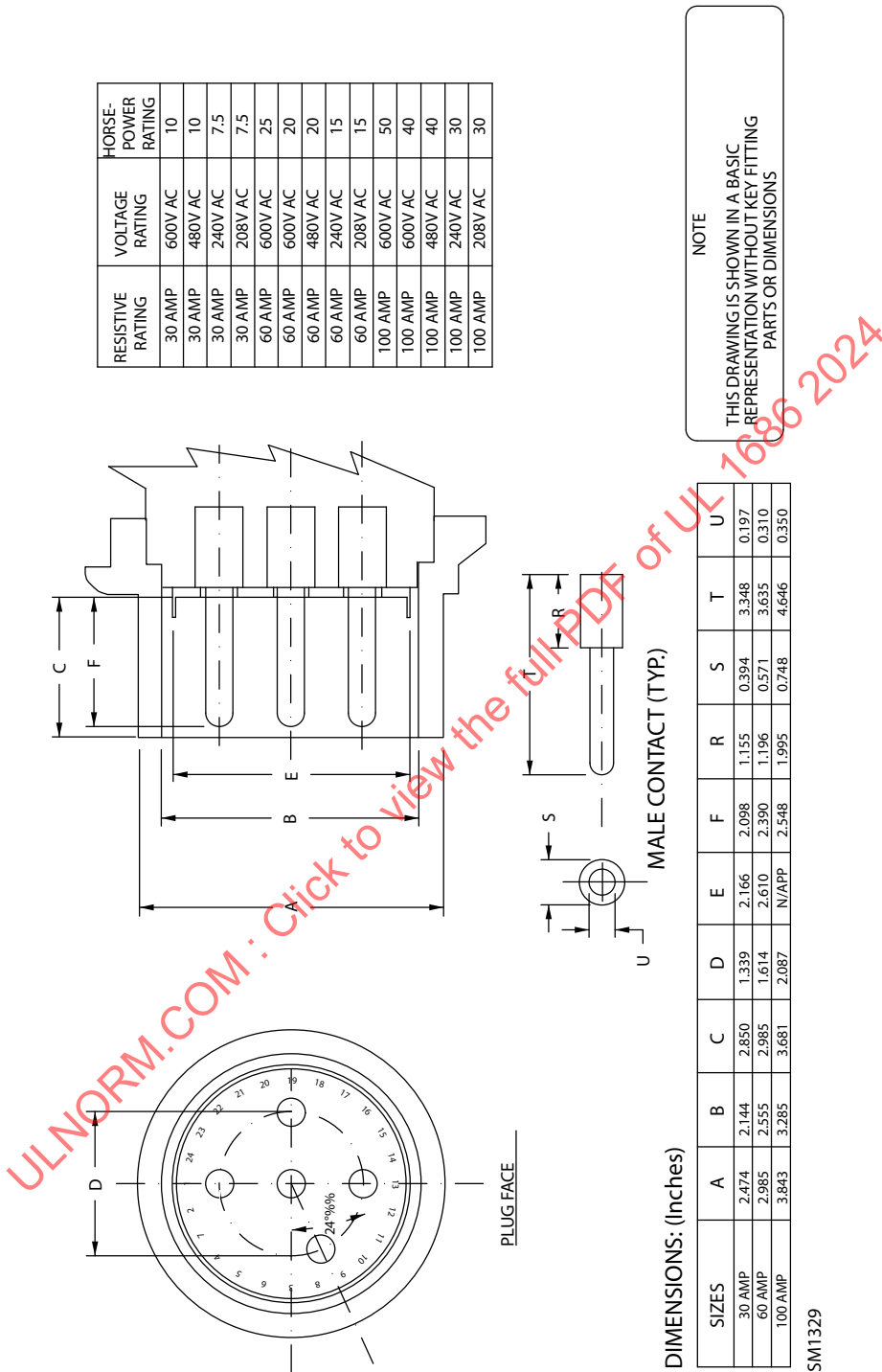
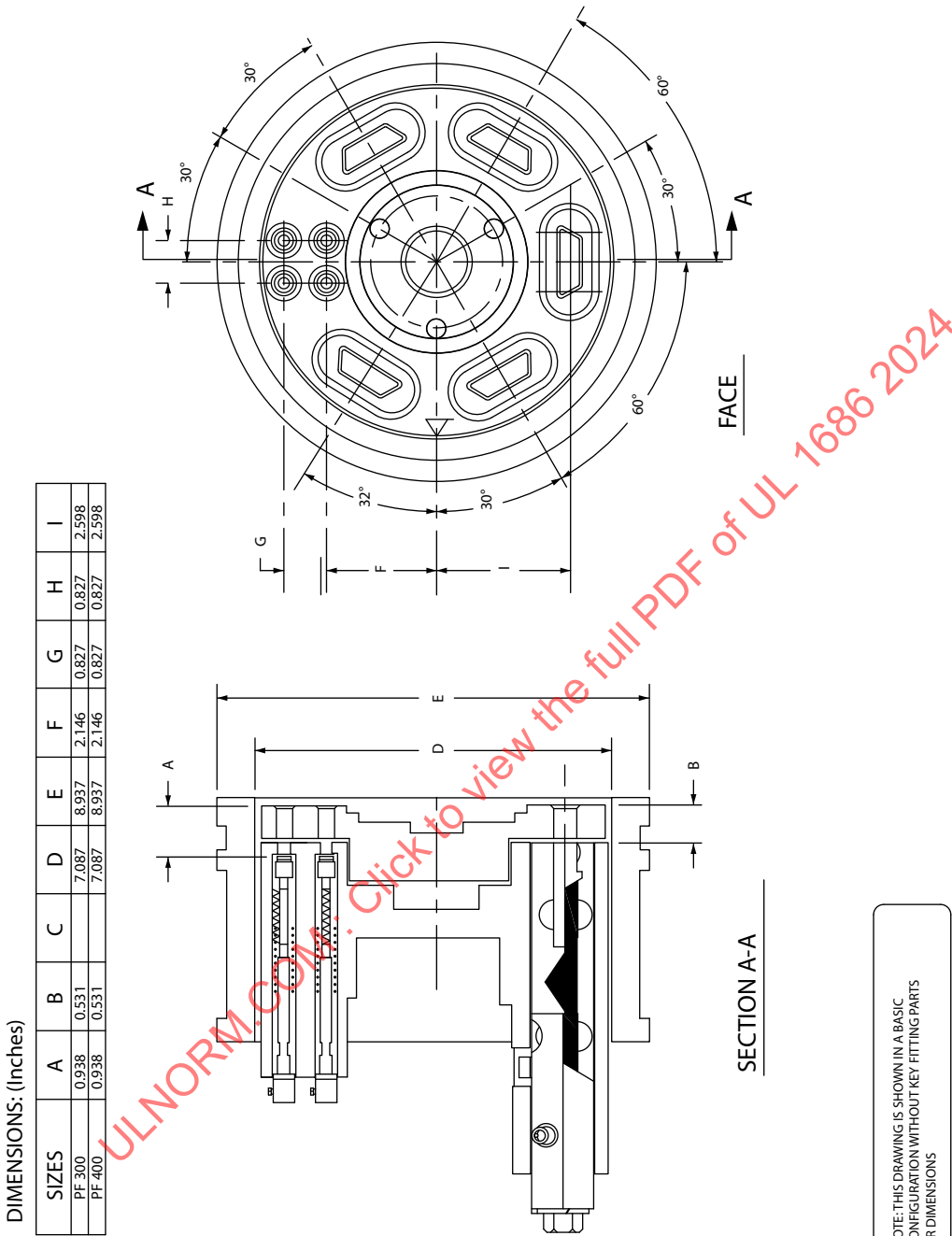
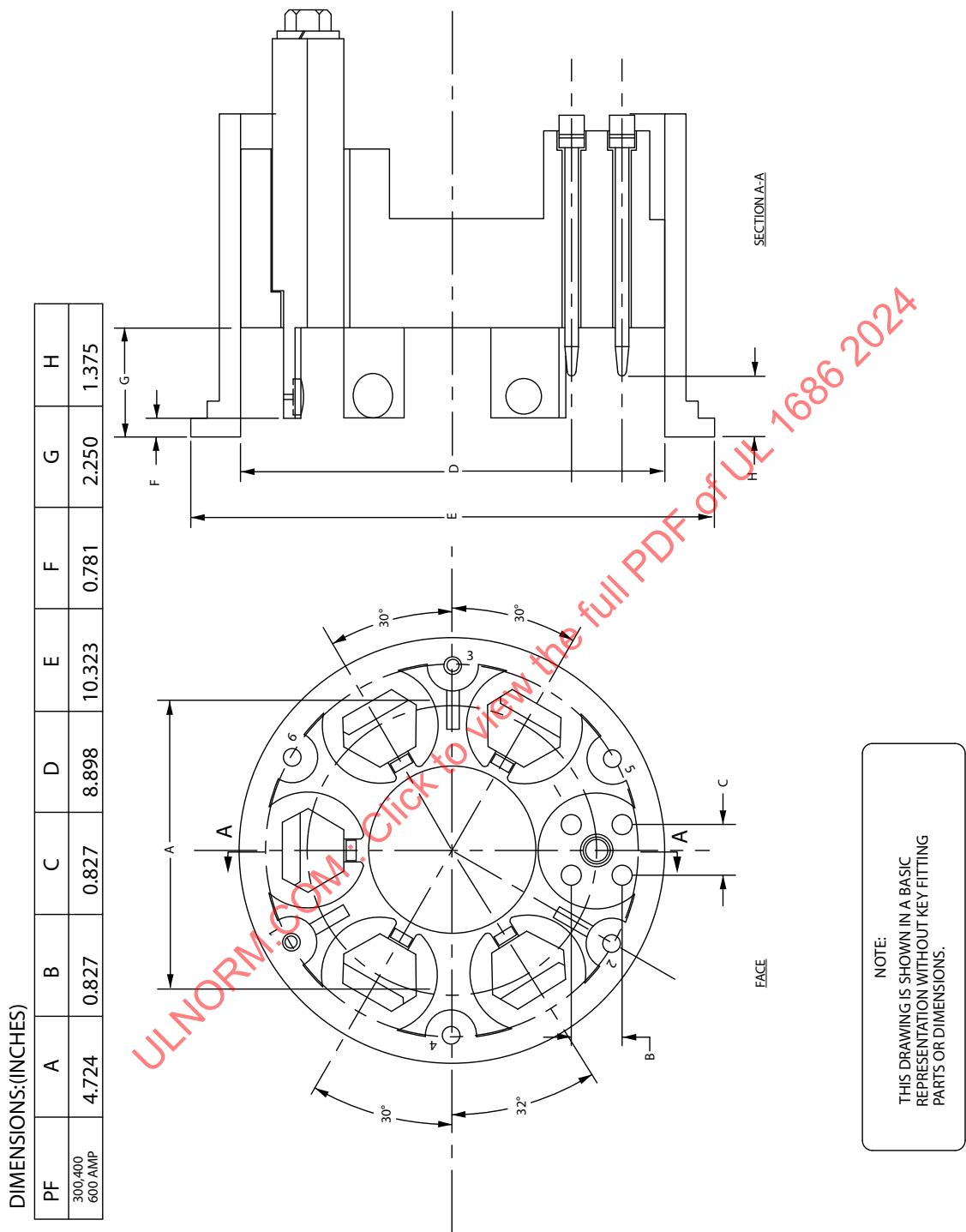


Figure C3.14



SM1330

Figure C3.15



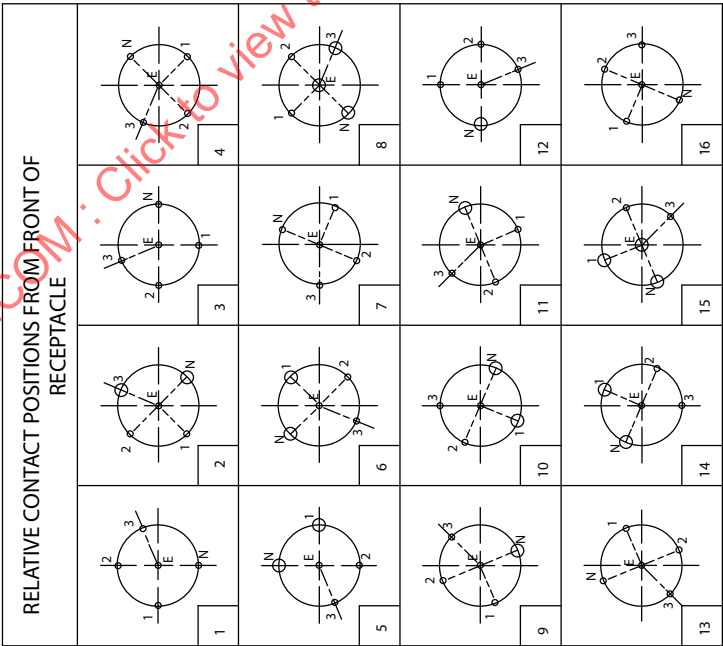
SM1331

Figure C3.16

VOLTAGE ASSIGNMENTS		
POSITION	VOLTAGE	FREQUENCY
1	380-440 AC	50 HZ
2	24 AC	60 HZ
3	220-240 AC	50 HZ
4	480 AC	60 HZ
7	240 AC	60 HZ
8	24 AC	50 HZ
9	500 AC	50 HZ
10	130 DC	-
11	200-220 AC	400 HZ
12	200-220 AC	200 HZ
16	208 AC	60 HZ

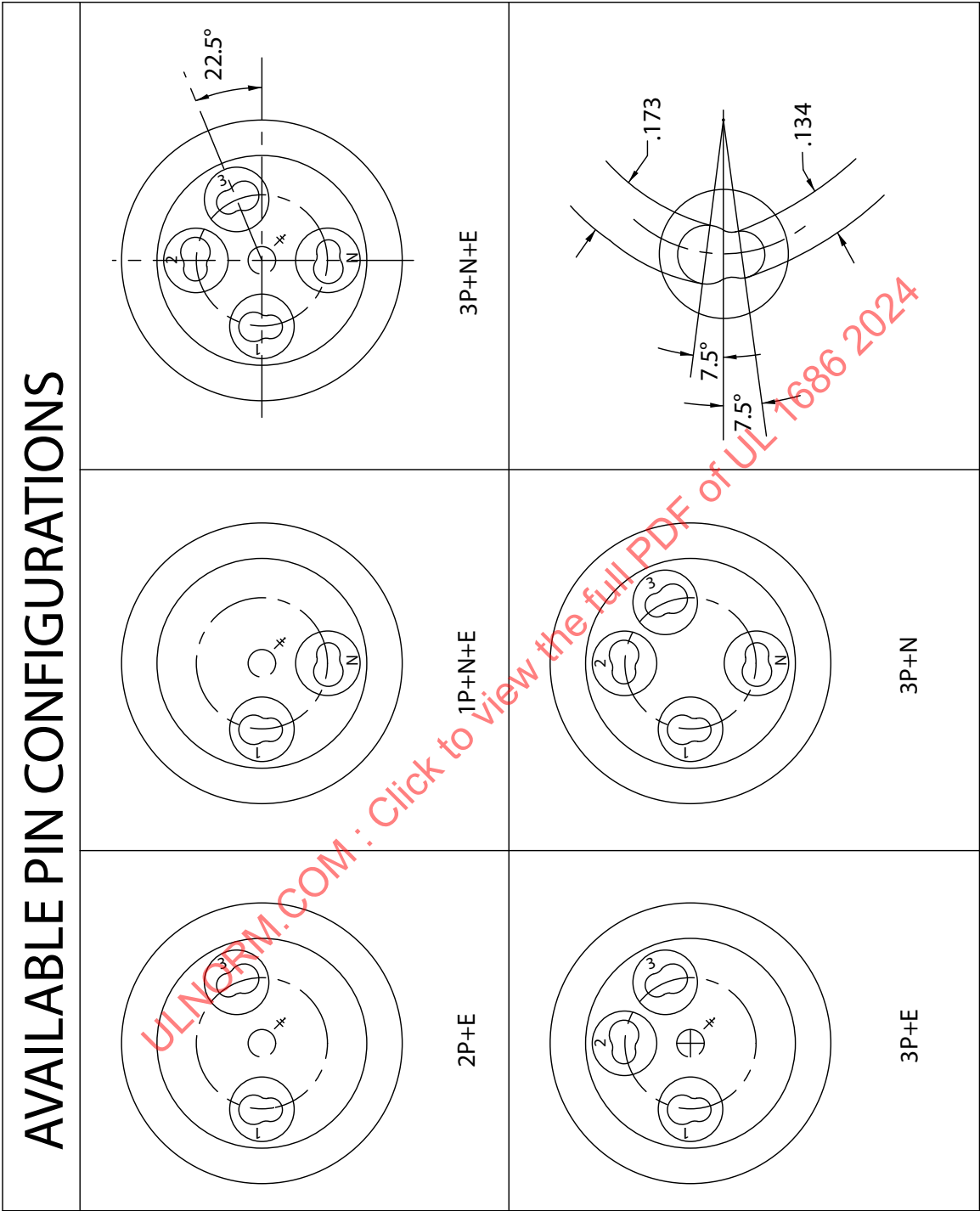
MAXIMUM VOLTAGE 600V A.C./250V D.C.

- 5 POSITIONS ARE LEFT FREE TO COVER PARTICULAR NEEDS:
- POSITION 13 FOR A.C. 3-PHASE WITH NEUTRAL
 - POSITIONS 5, 6, 14, AND 15 FOR CURRENTS USING 2 OR 3 WIRES, AND FOR DIRECT CURRENTS.



SM1332

Figure C3.17



SM1333

Figure C3.18

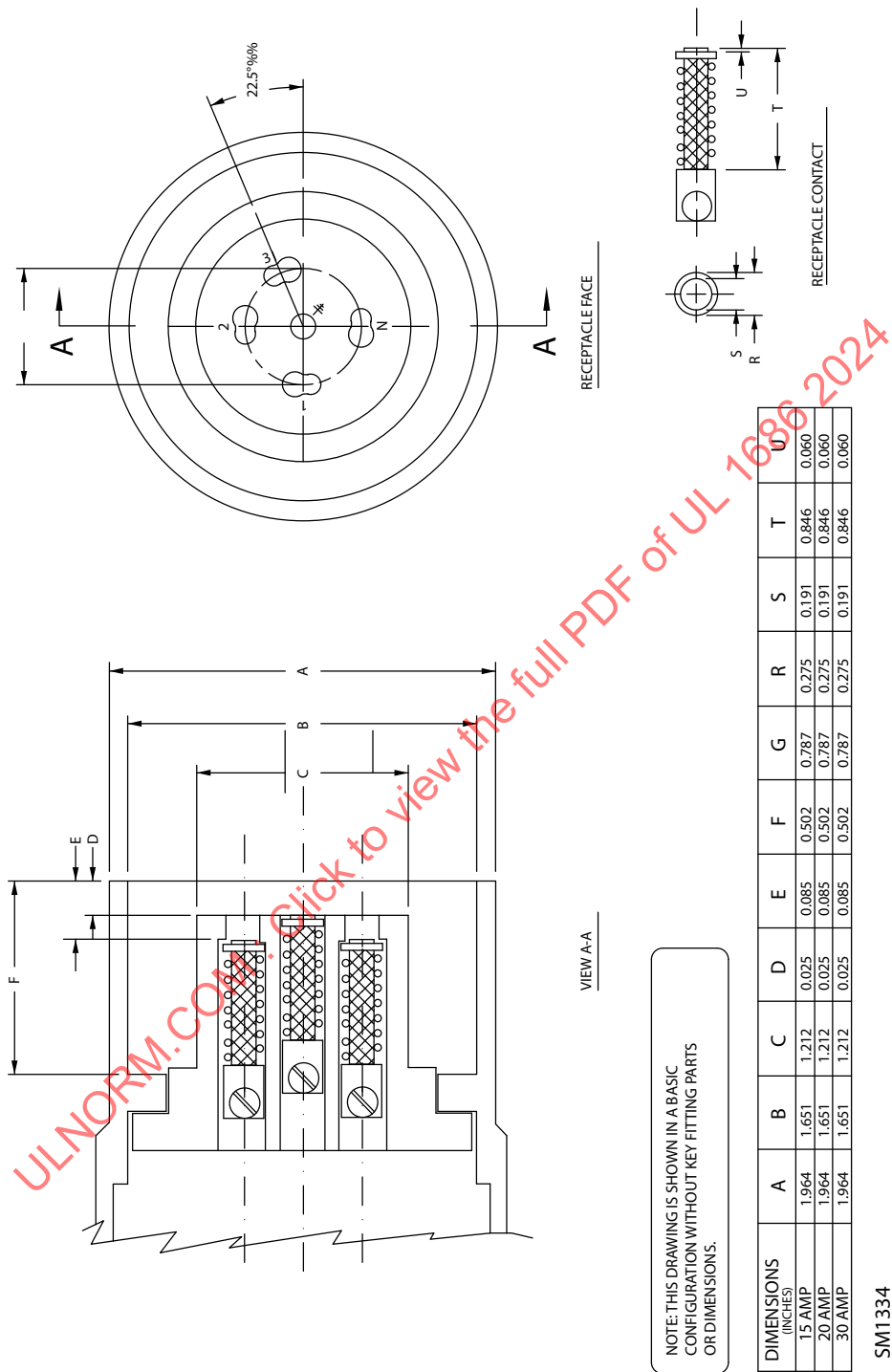
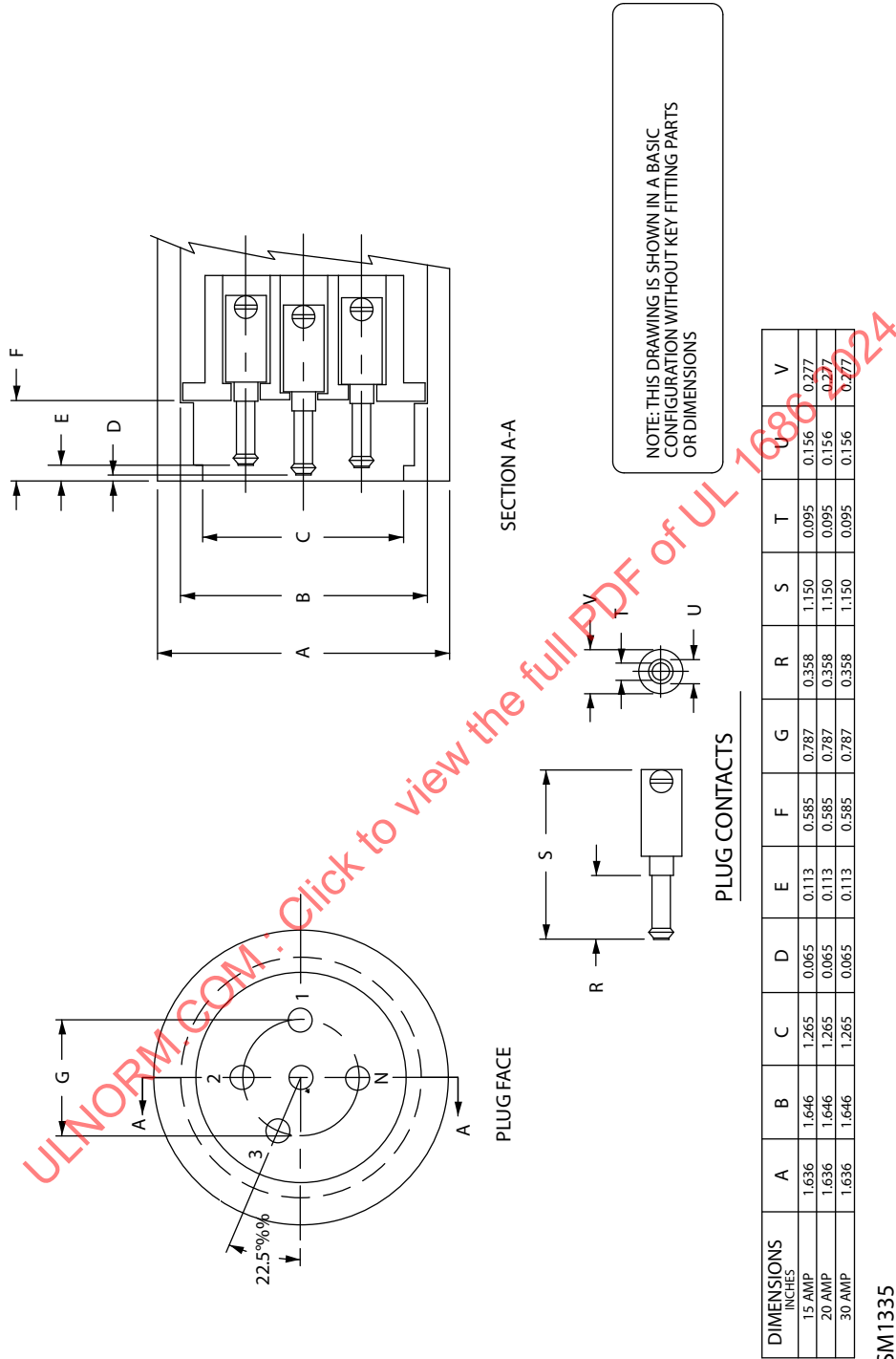


Figure C3.19

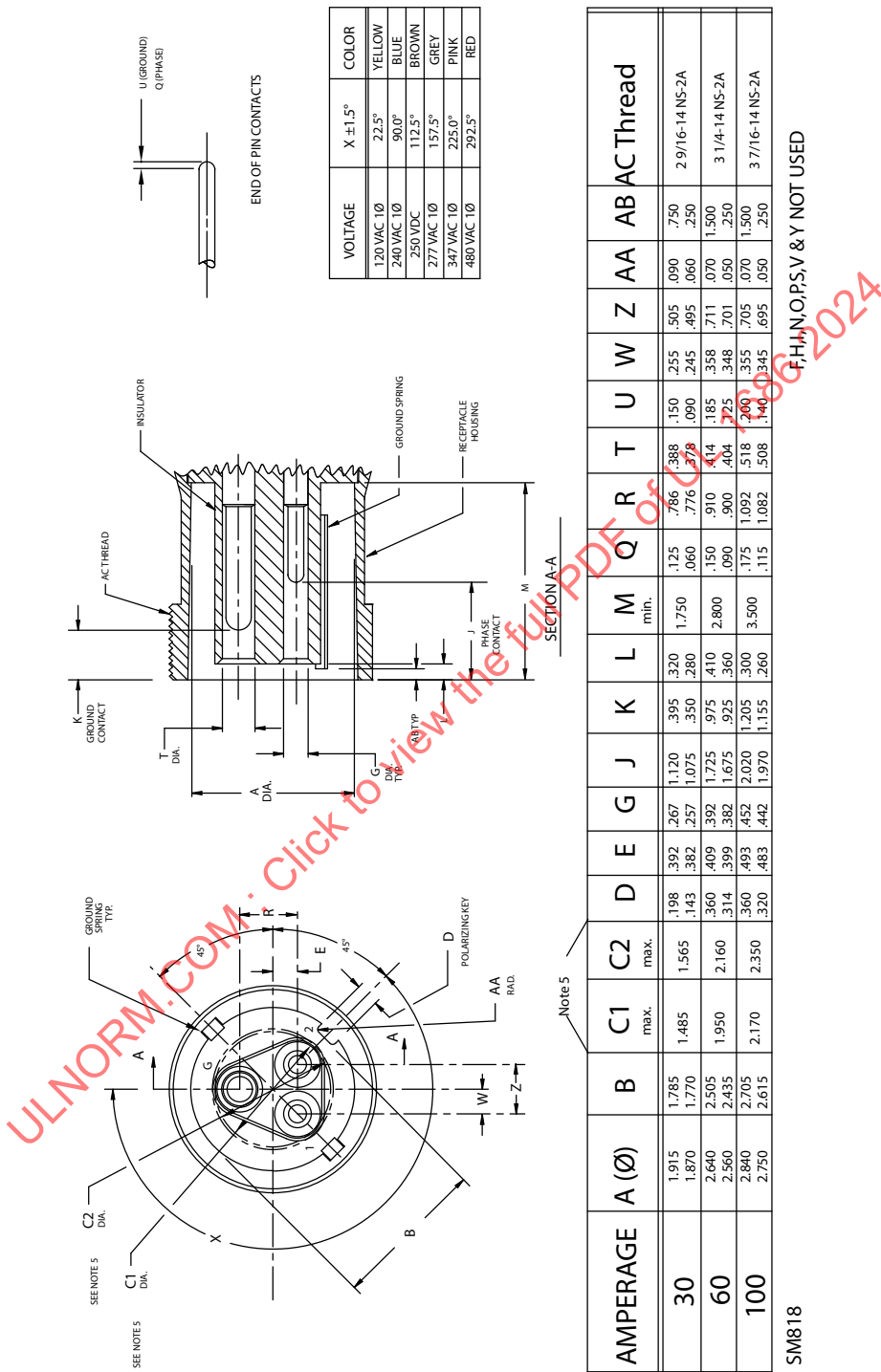


C4 Configurations

NOTES

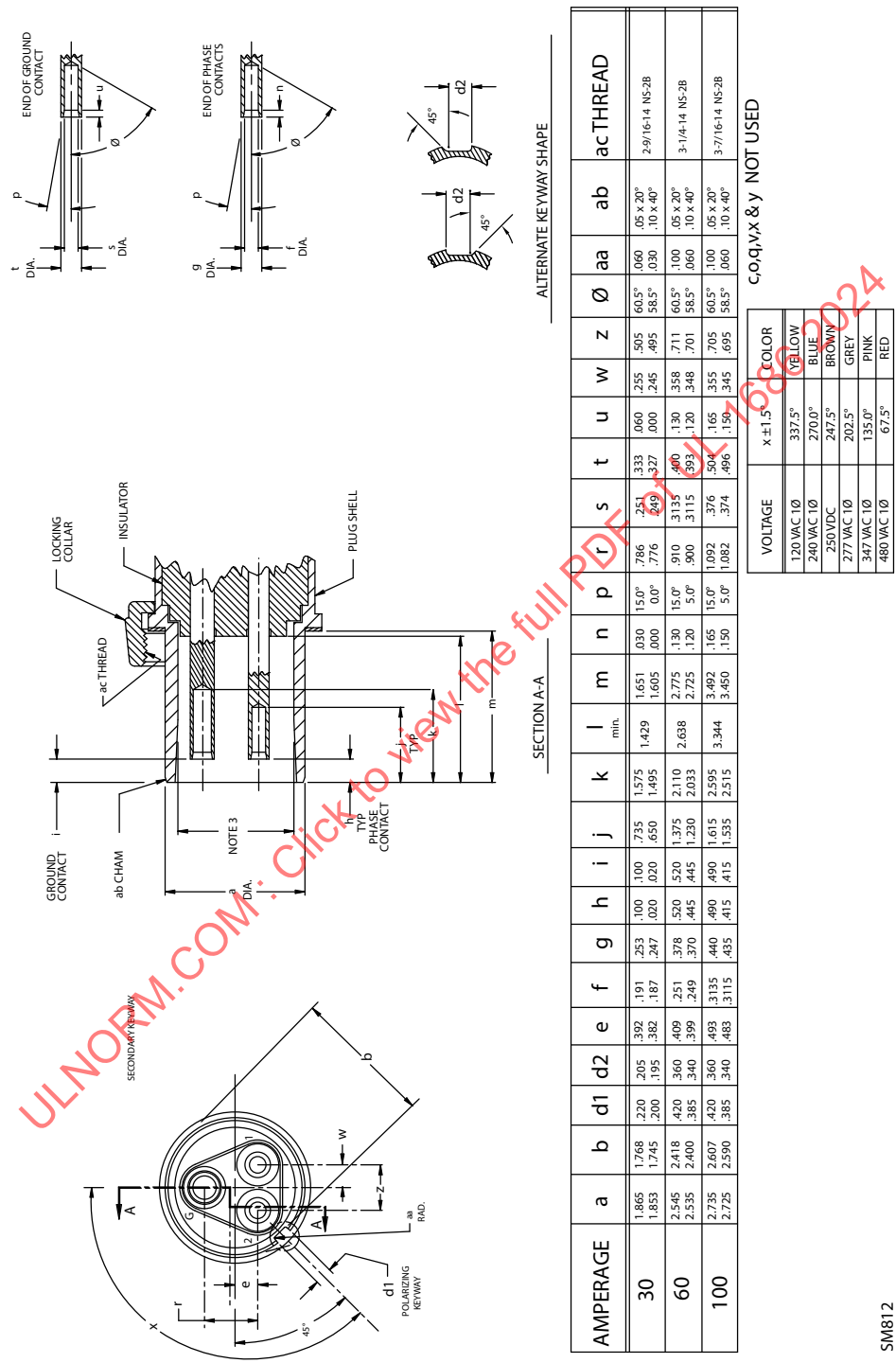
1. Contact centerlines are dimensioned relative to the centerline of the insulator. The key is dimensioned relative to the receptacle housing. Dimension X defines the orientation of the insulator and contacts relative to the polarizing key, measured in the clockwise position.
2. Q and U are the allowable 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.
3. The design of the pins shall provide a means of maintaining electrical contact force to their respective sleeve contacts.
4. 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.
5. The C1 diameter is measured at L dimension. The C2 dimension is measured at M dimension.
6. Connectors shall be rated for use in ordinary locations only.
7. Receptacles may be rated for use in Hazardous Locations.
8. Plugs shall be rated for use in Hazardous Locations.
9. Inlets shall be rated for use in ordinary locations only.
10. Contact centerlines are dimensioned relative to the centerline of the insulator. The key is dimensioned relative to the plug shell. Dimension X defines the orientation of the insulator and contacts relative to the polarizing keyway, measured in the clockwise position.
11. The inside of the plug shell shall be designed to provide clearance for the receptacle insulator.

Figure C4.1
Receptacles and Connectors



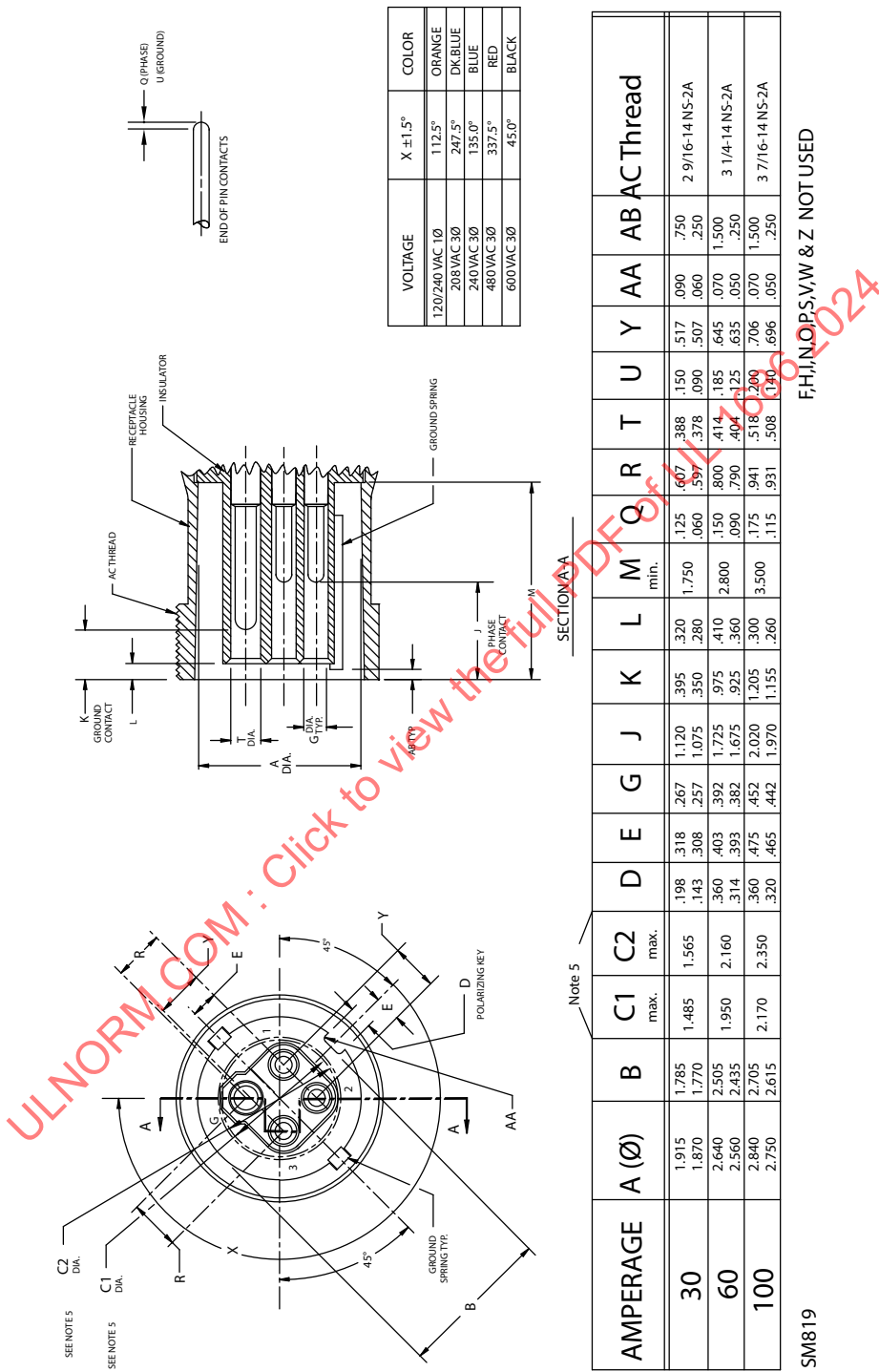
See notes 1, 2, 3, 4, 5, 6 and 7.

Figure C4.2
Plugs and Inlets



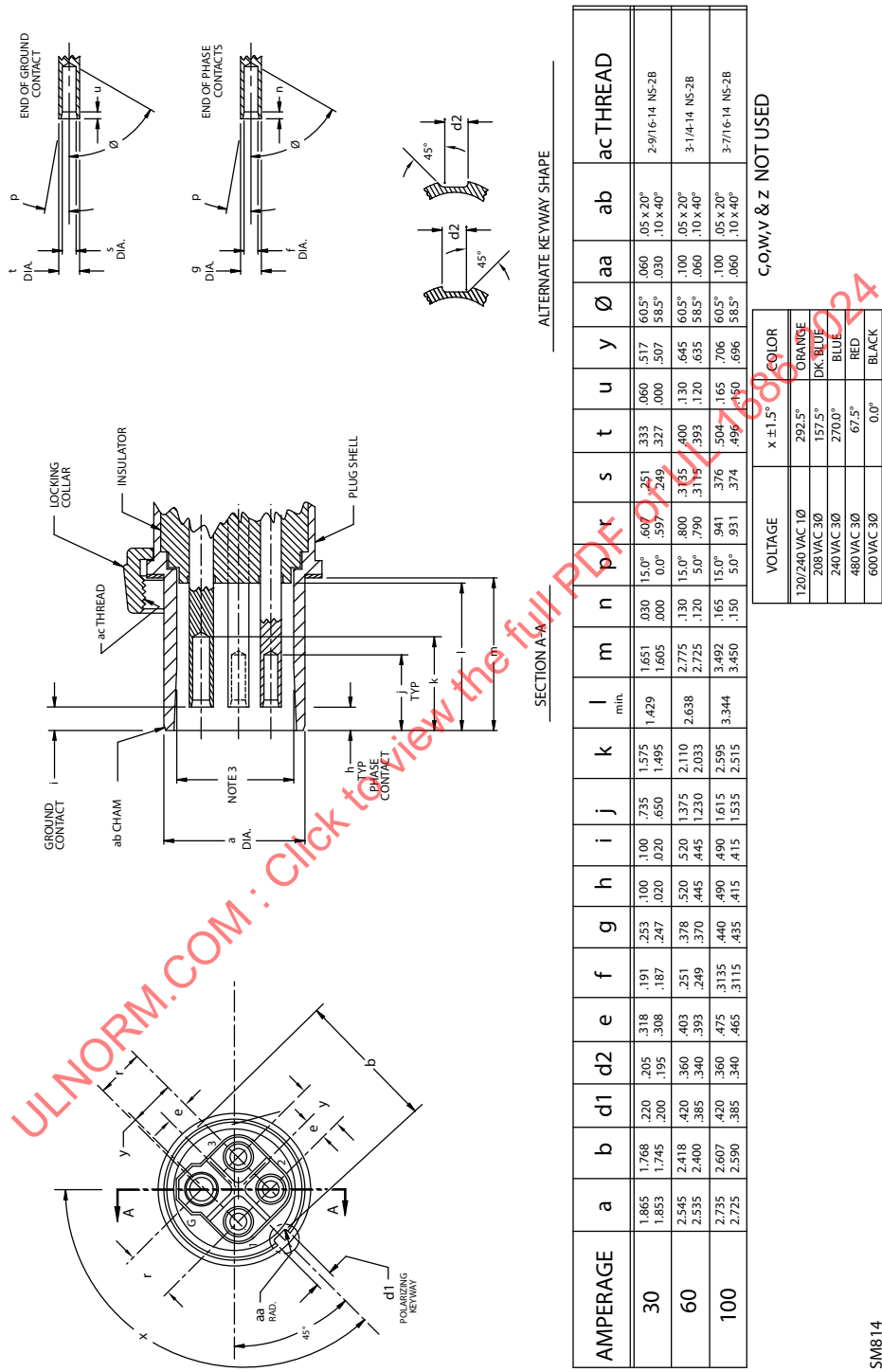
See notes 8, 9, 10 and 11.

Figure C4.3
Receptacles and Connectors



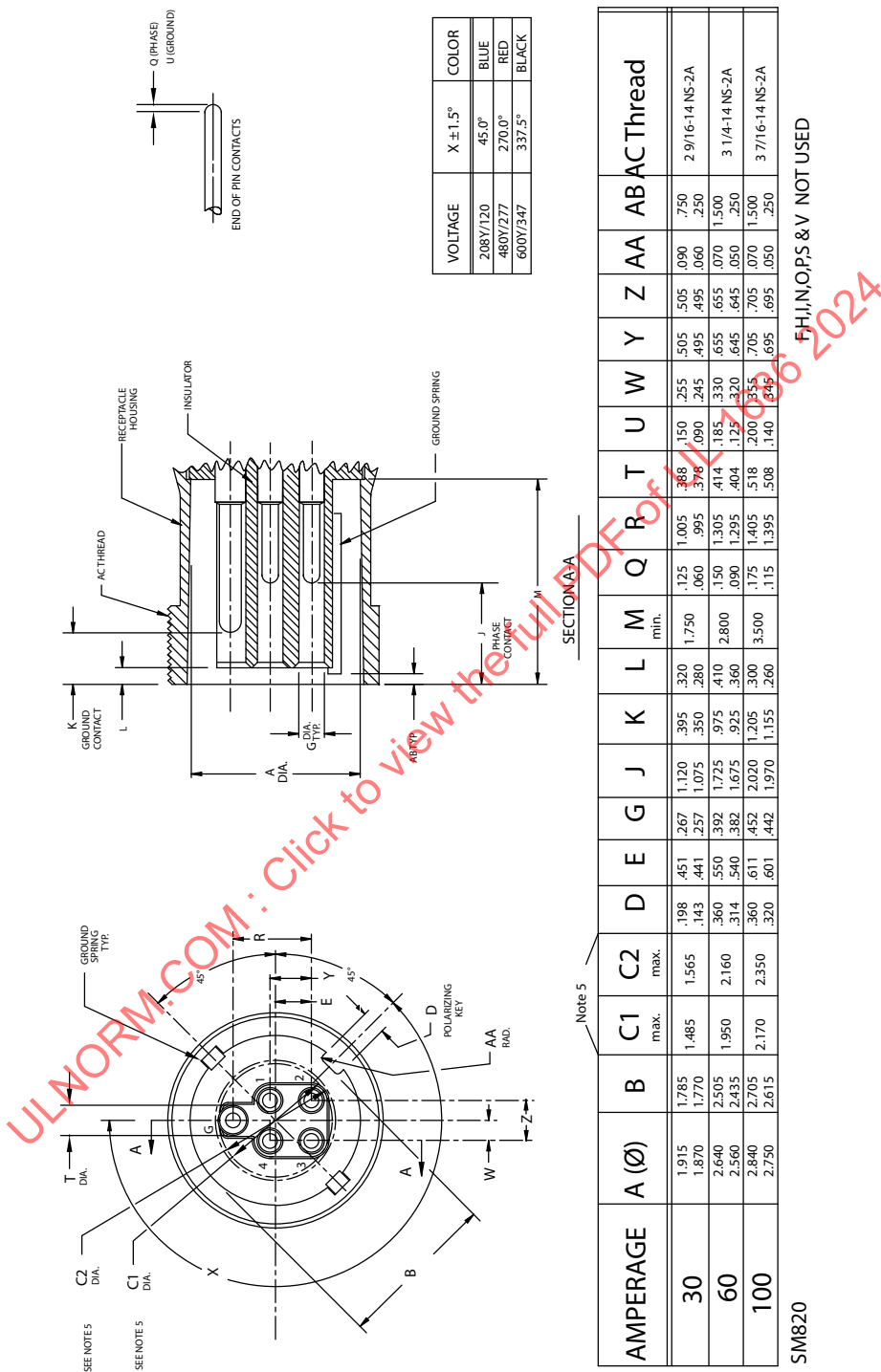
See notes 1, 2, 3, 4, 5, 6 and 7.

Figure C4.4
Plugs and Inlets



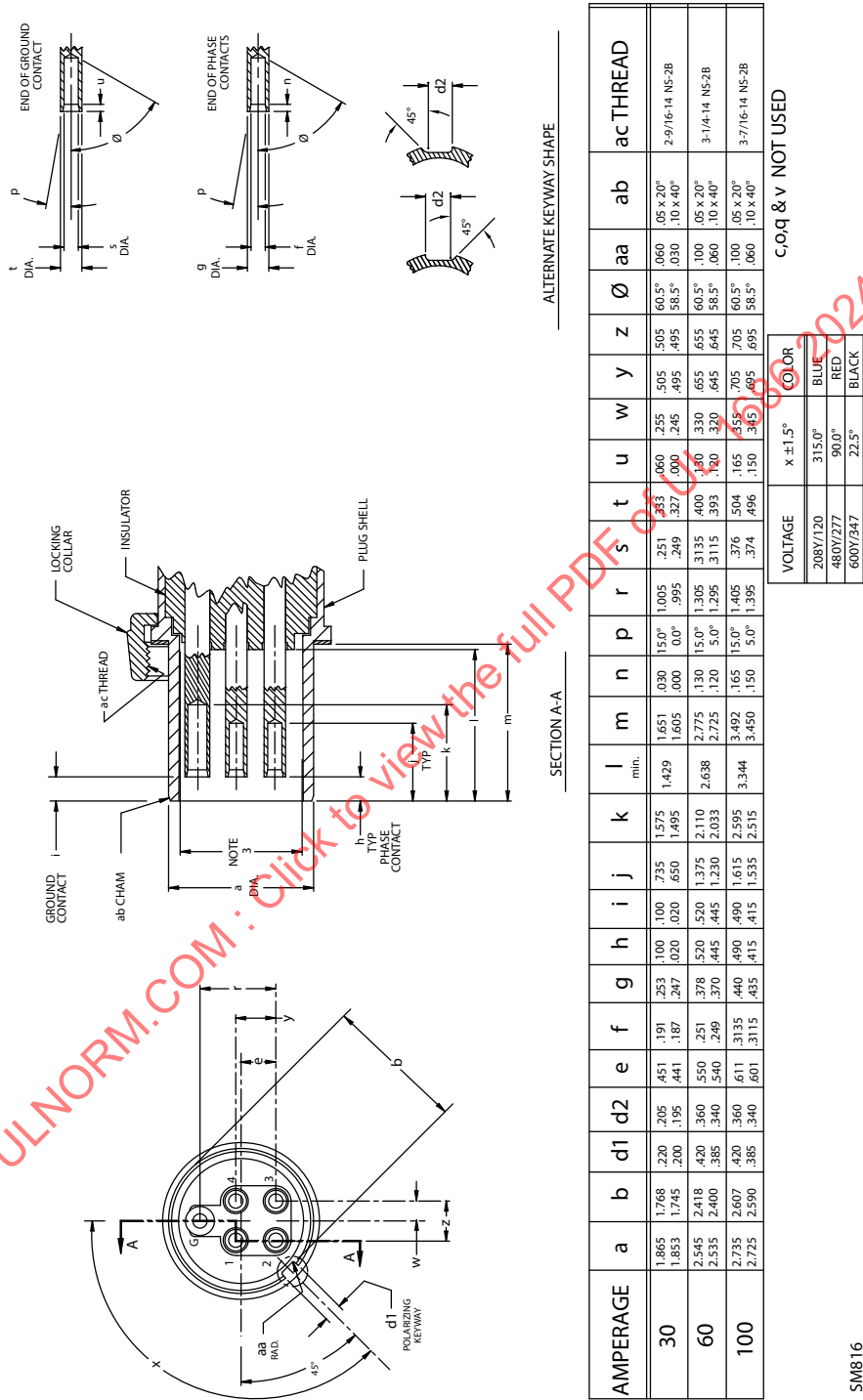
See notes 8, 9, 10 and 11.

Figure C4.5
Receptacles and Connectors



See notes 1, 2, 3, 4, 5, 6 and 7.

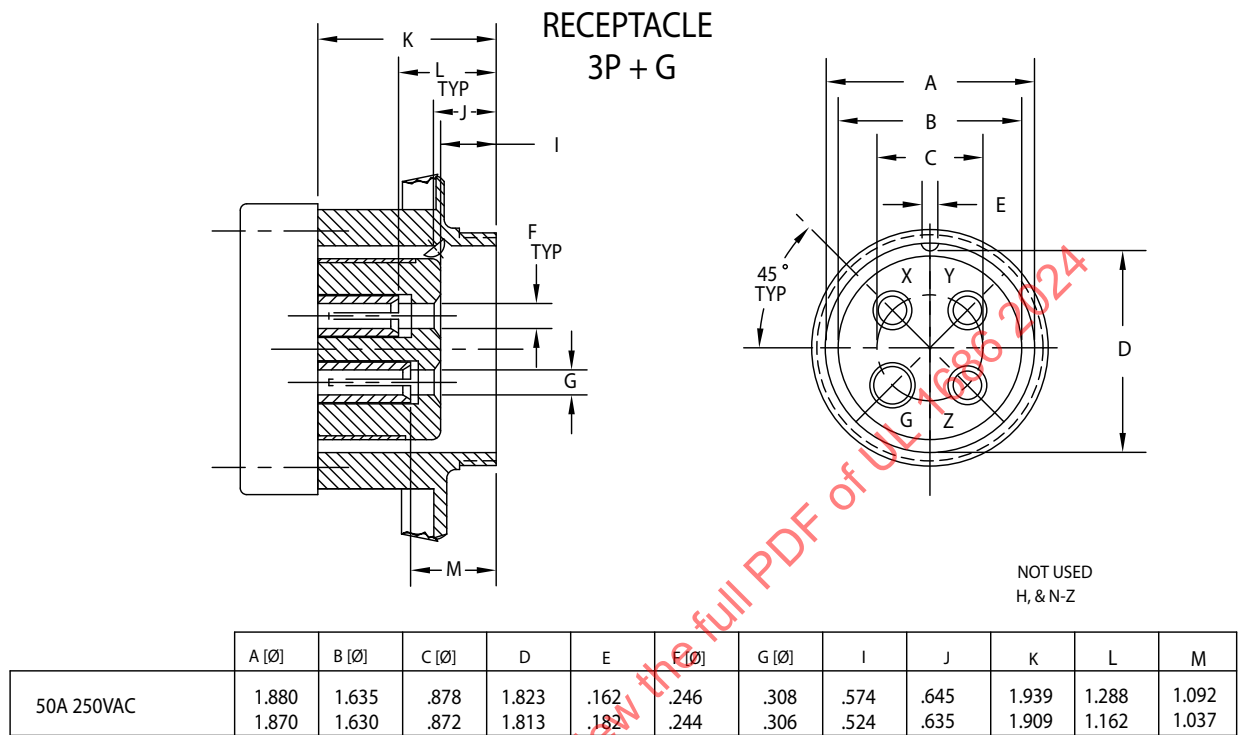
Figure C4.6
Plugs and Inlets



See notes 8, 9, 10 and 11.

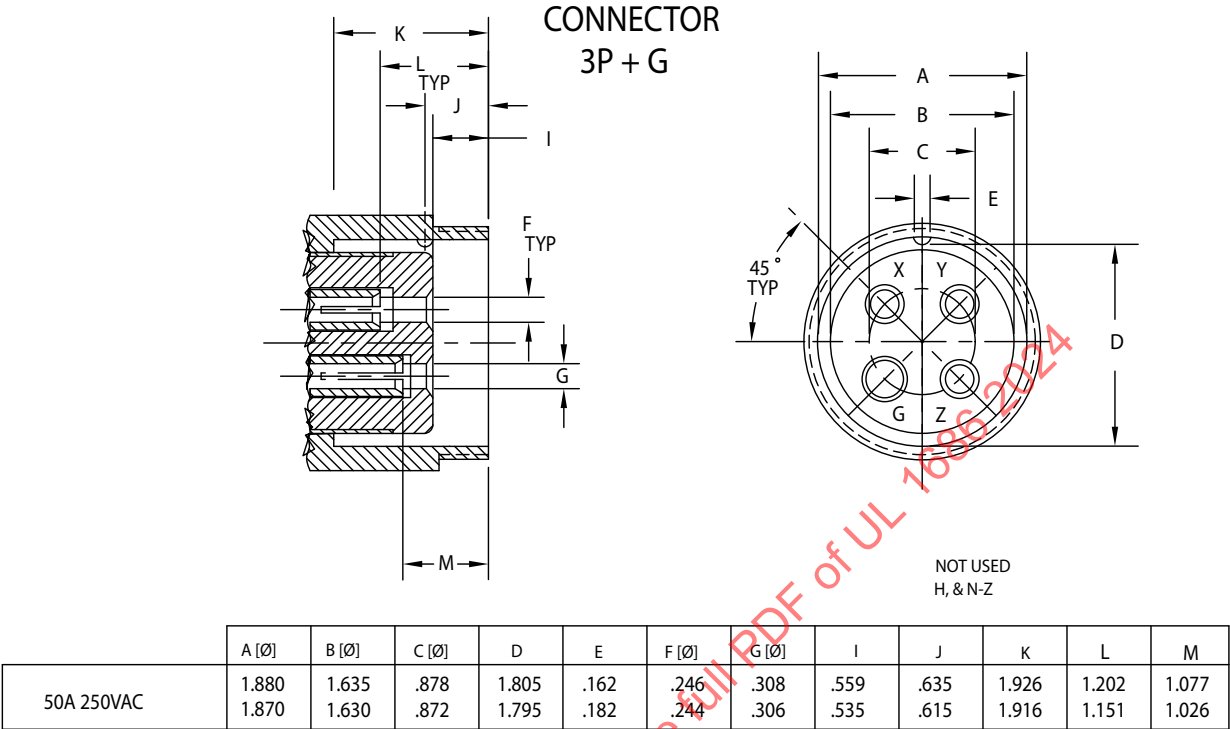
C5 Specific Configurations

Figure C5.1



SM602

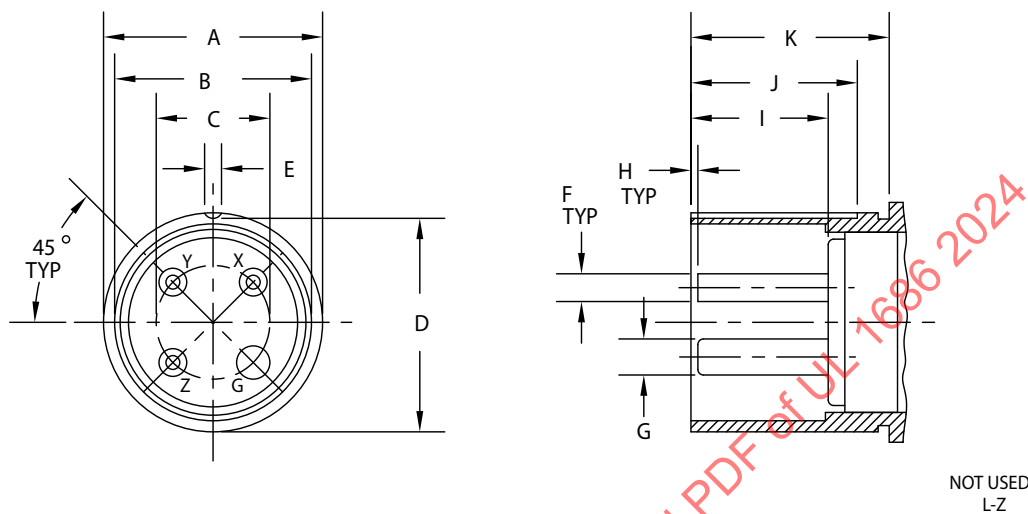
Figure C5.2



SM601

Figure C5.3

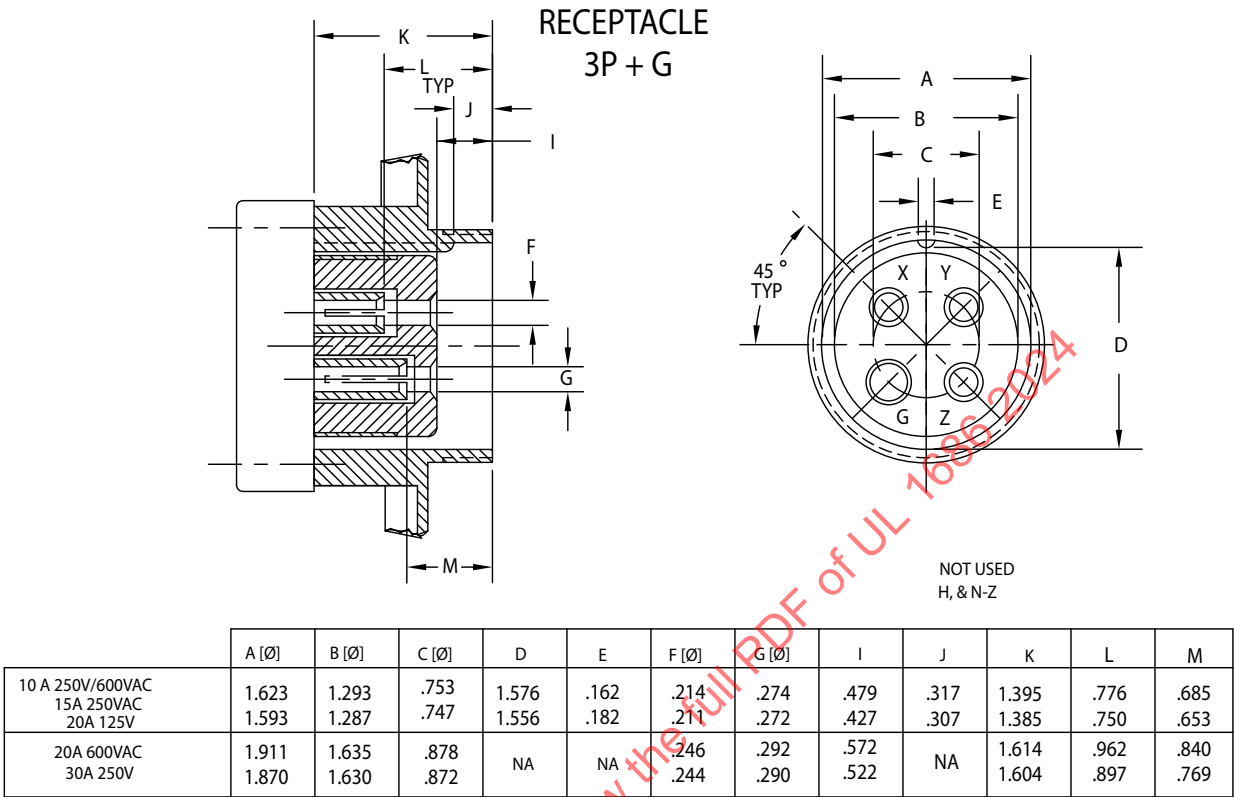
PLUG 3P + G



	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	H	I	J	K
50A 250VAC	1.843	1.653	.878	1.784	.238	.251	.314	.216	1.421	1.591	1.956
	1.841	1.647	.872	1.765	.218	.249	.310	.080	1.391	1.551	1.950

SM600

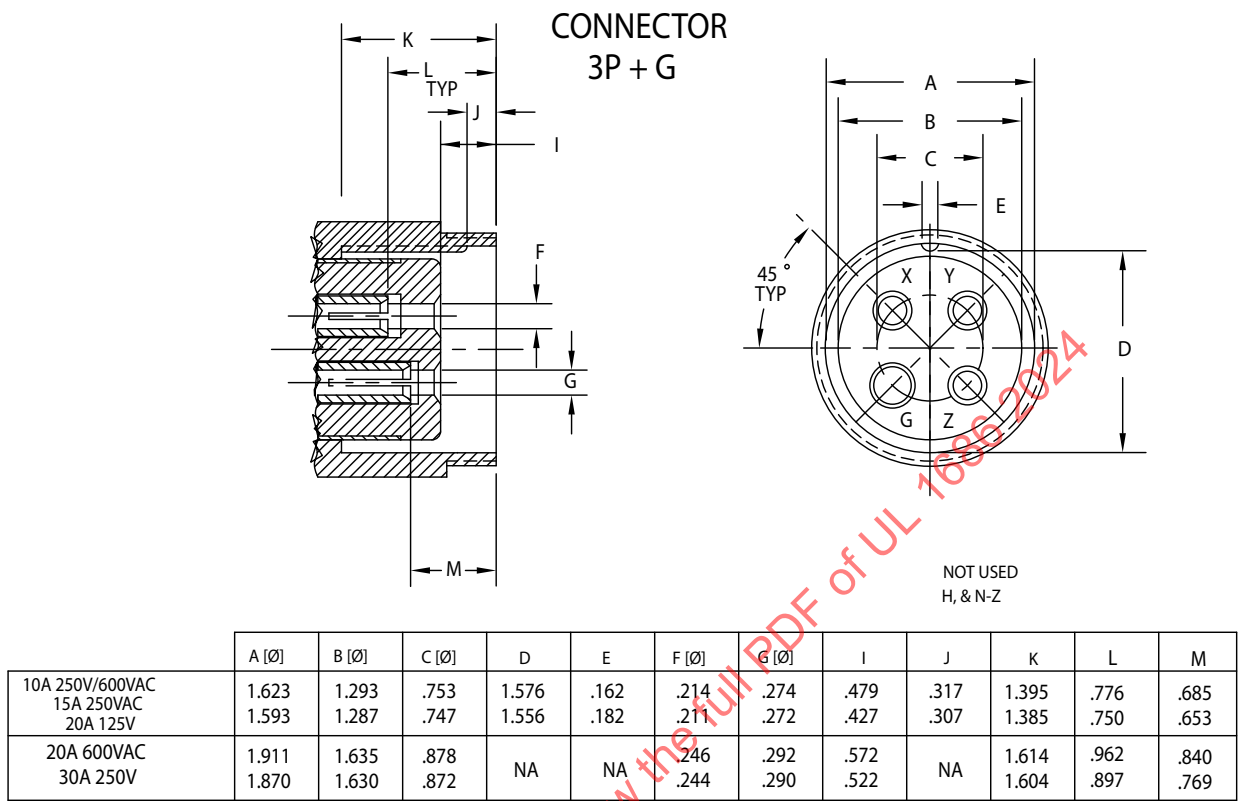
Figure C5.4



SM599

ULNORM.COM : Click to view the full PDF of UL 1686:2024

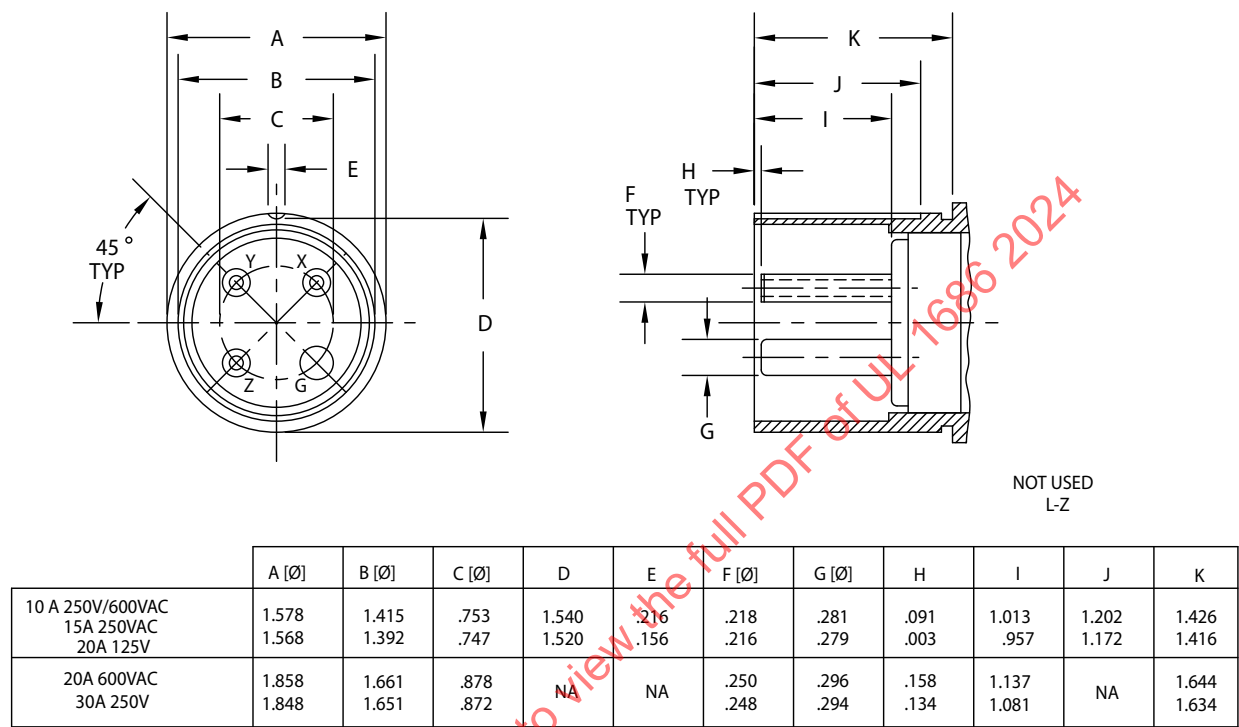
Figure C5.5



SM598

Figure C5.6

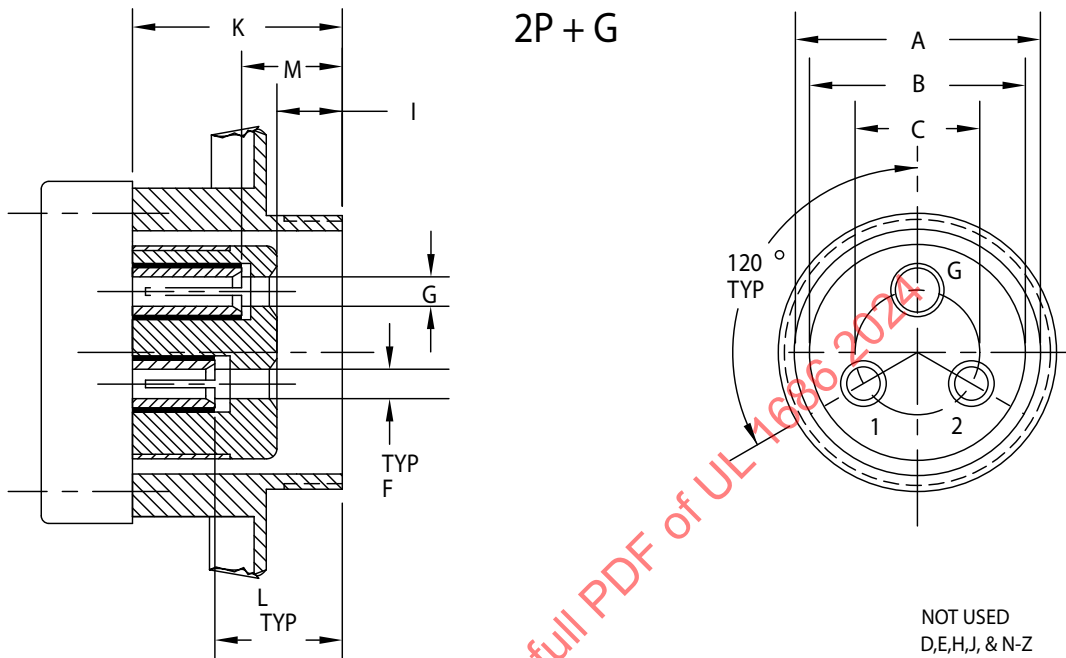
PLUG
3P + G



SM597

Figure C5.7

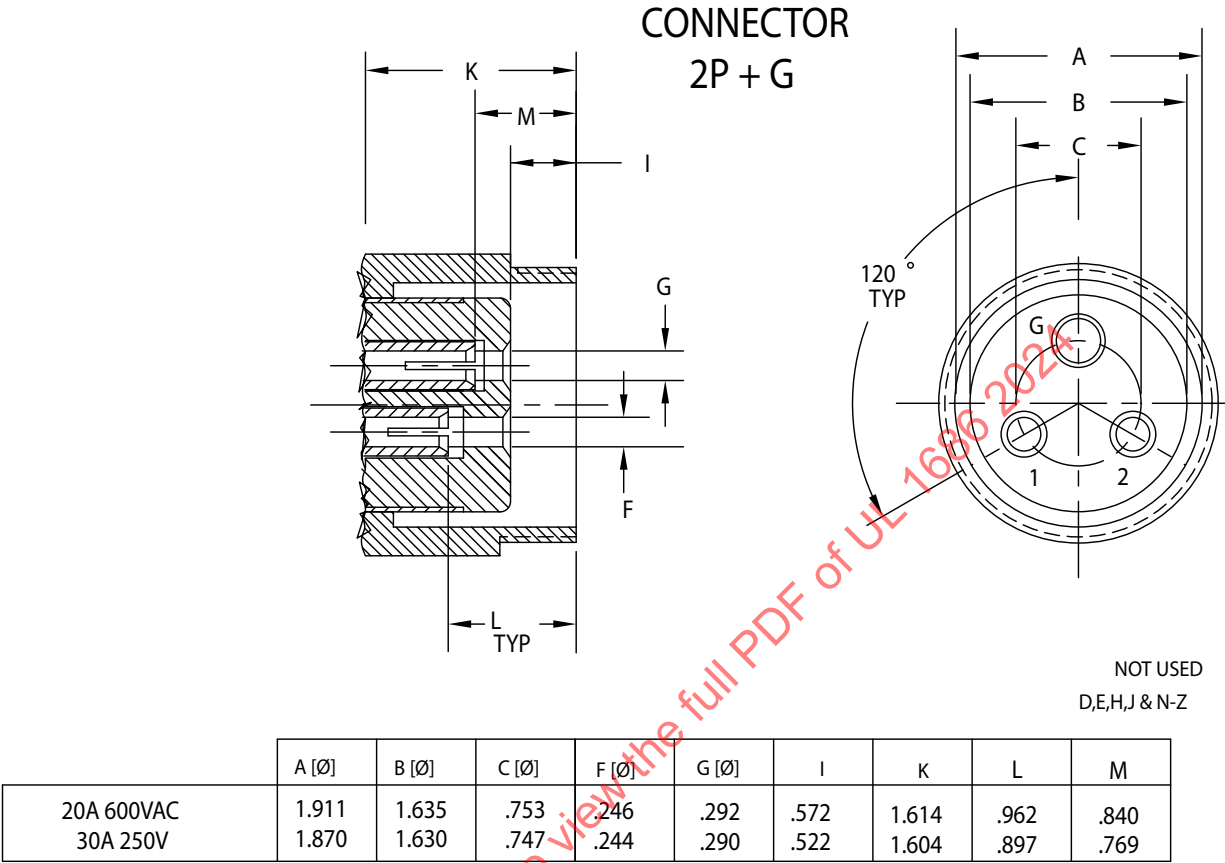
RECEPTACLE
2P + G



	A [Ø]	B [Ø]	C [Ø]	F [Ø]	G [Ø]	I	K	L	M
20A 600VAC	1.911	1.635	.753	.246	.292	.572	1.614	.962	.840
30A 250V	1.870	1.630	.747	.244	.290	.522	1.604	.897	.769

SM596

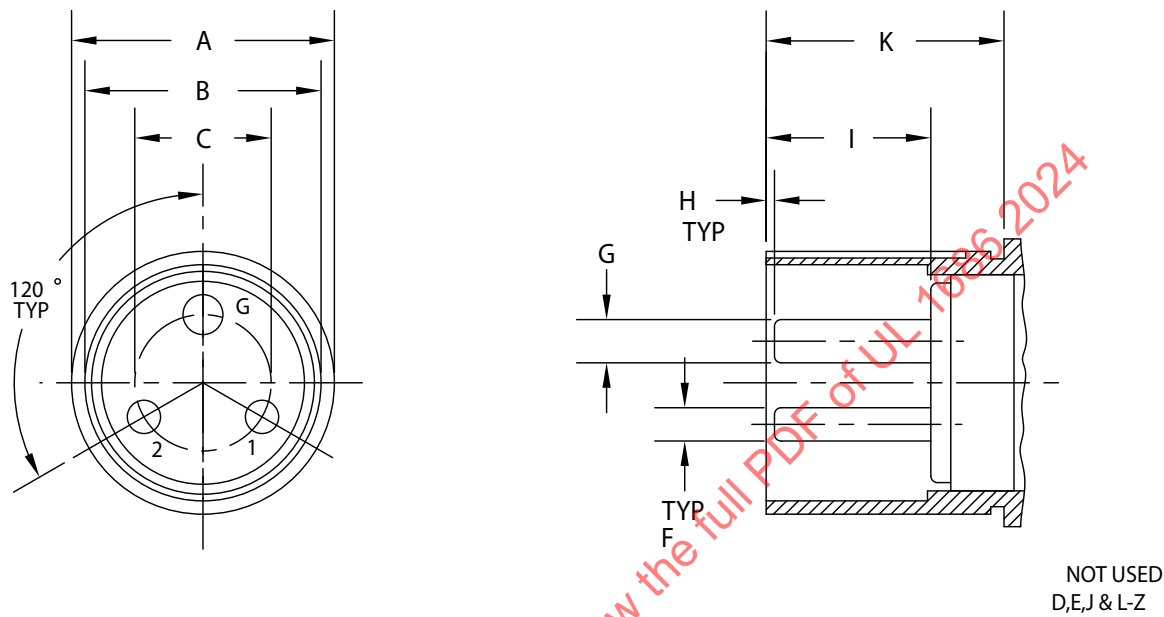
Figure C5.8



SM595

Figure C5.9

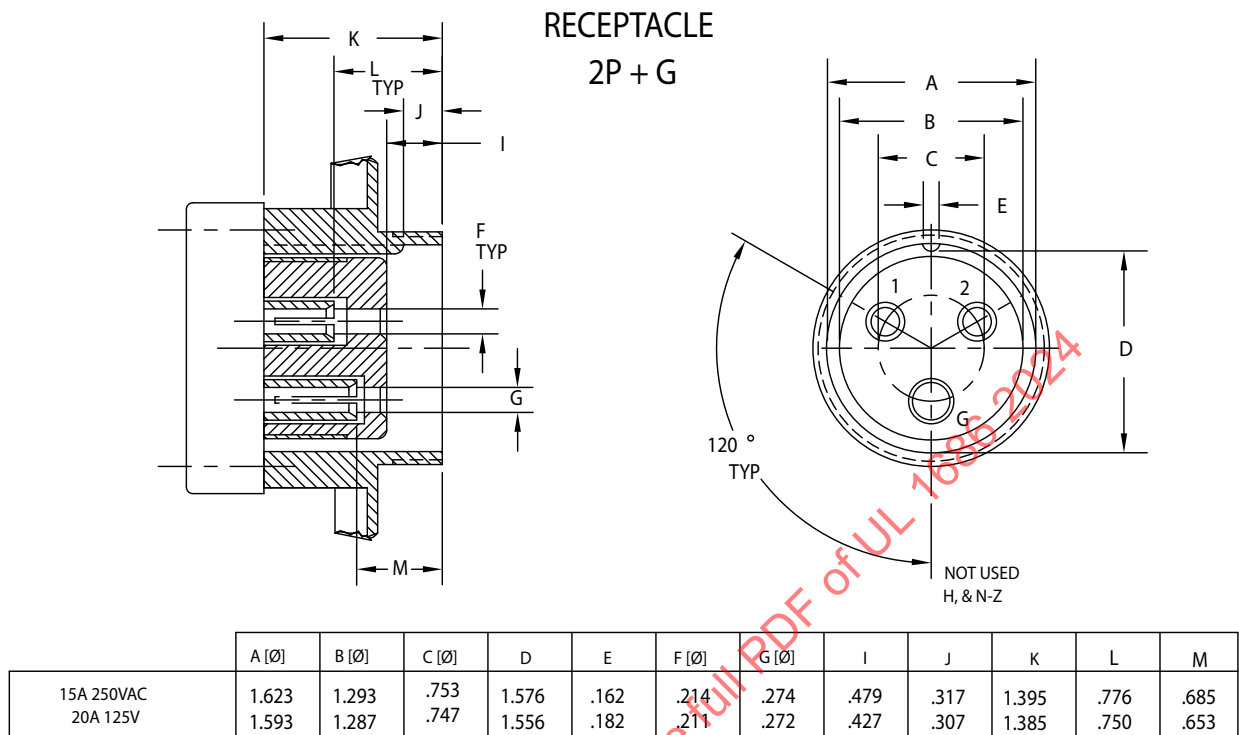
PLUG
2P + G



	A [Ø]	B [Ø]	C [Ø]	F [Ø]	G [Ø]	H	I	K
20A 600VAC	1.858	1.661	.753	.250	.296	.158	1.137	1.426
30A 250V	1.848	1.651	.747	.248	.294	.134	1.081	1.416

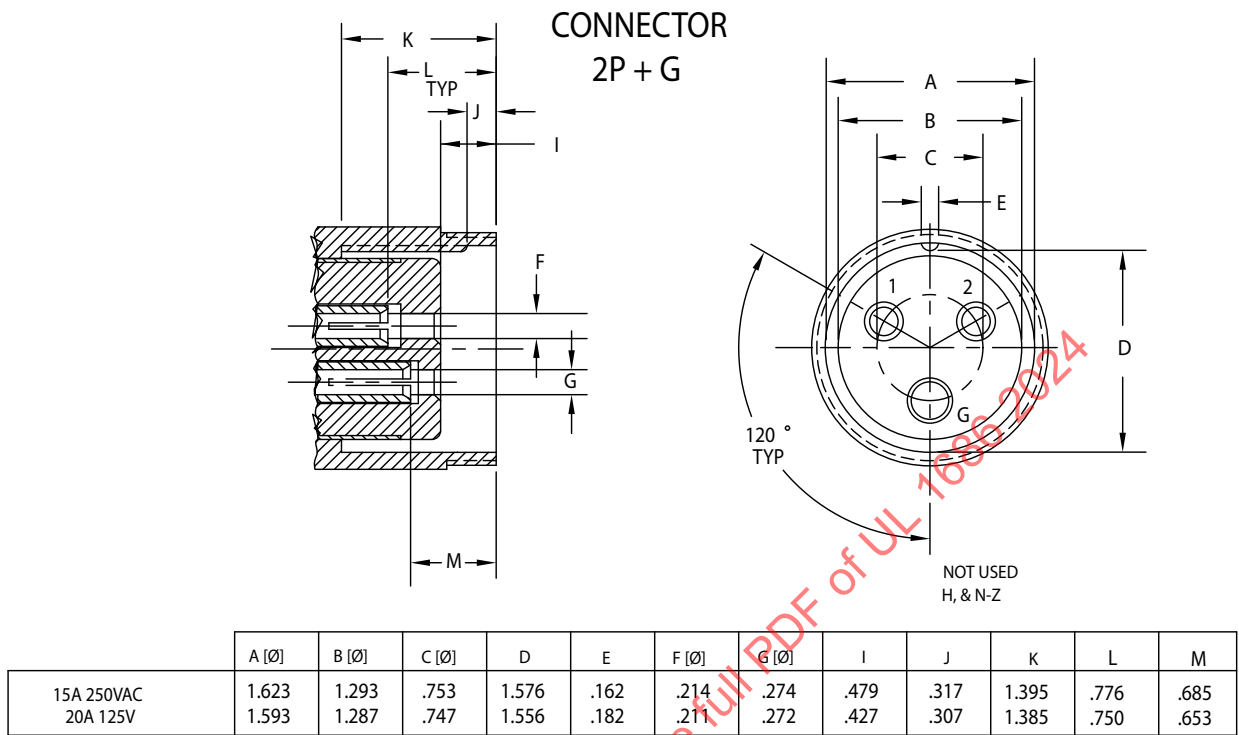
SM594

Figure C5.10



SM593

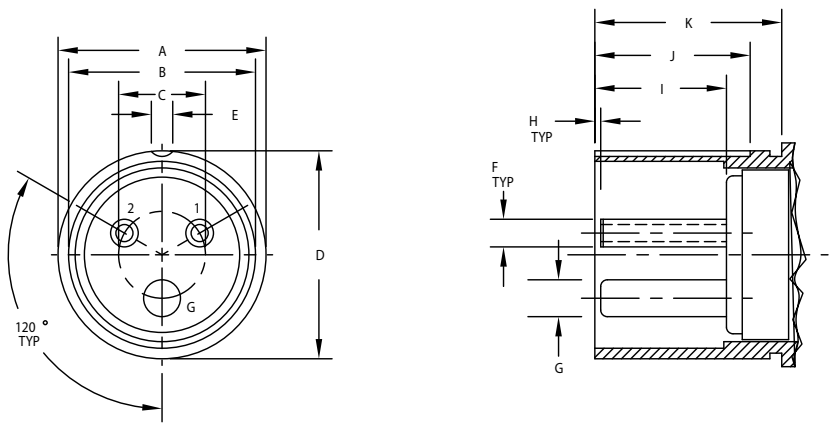
Figure C5.11



SM592

Figure C5.12

PLUG
2P + G



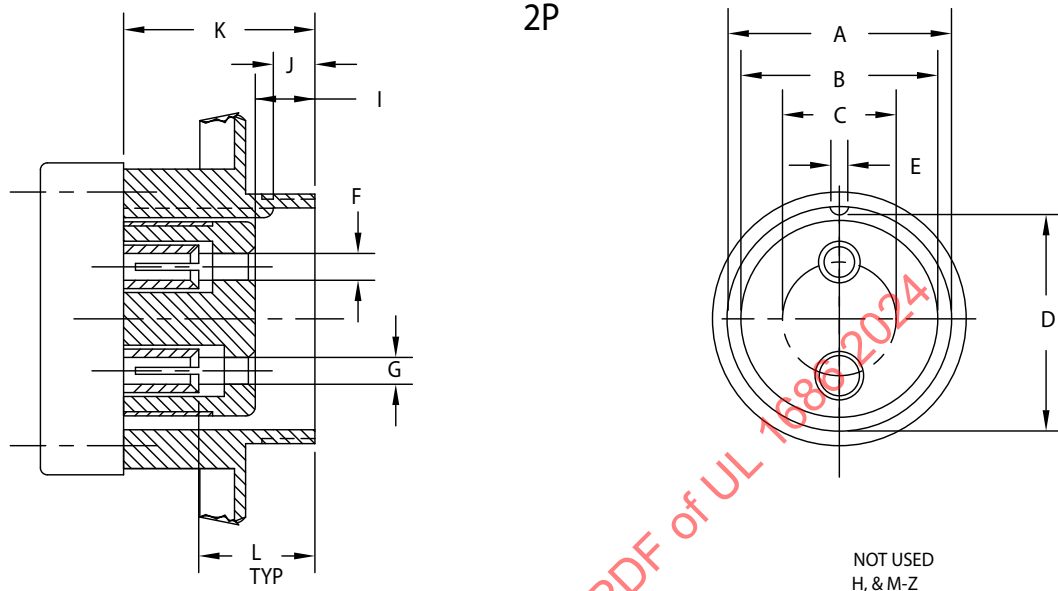
NOT USED
L-Z

	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	H	I	J	K
15A 600VAC 20A 250VAC	1.578 1.568	1.415 1.392	.753 .747	1.540 1.520	.216 .156	.218 .216	.281 .279	.091 .003	1.013 .957	1.202 1.172	1.426 1.416

SM590

ULNORM.COM : Click to view the full PDF of UL 1686 2024

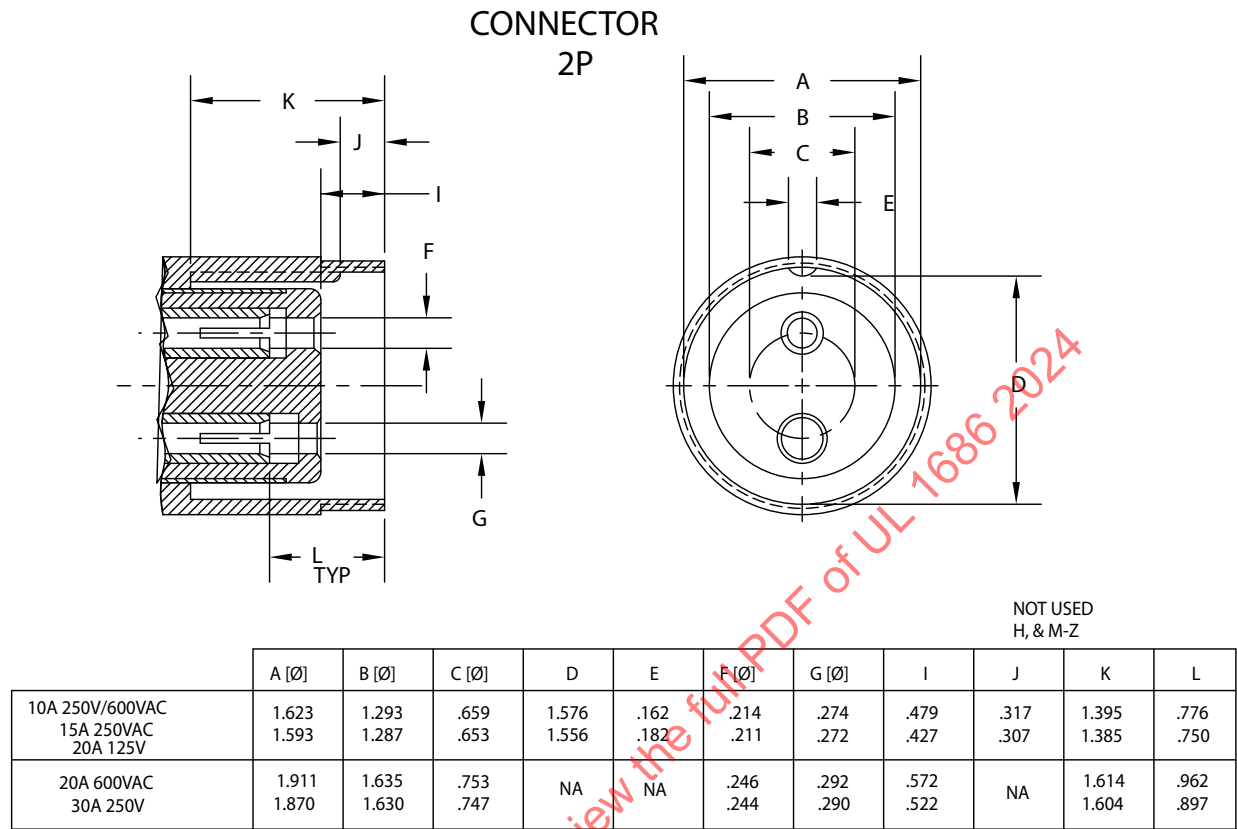
Figure C5.13

RECEPTACLE
2P

	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	I	J	K	L
10 A 250V/600VAC 15A 250VAC 20A 125V	1.623 1.593	1.293 1.287	.659 .653	1.576 1.556	.162 .182	.214 .211	.274 .272	.479 .427	.317 .307	1.395 1.385	.776 .750
20A 600VAC 30A 250V	1.911 1.870	1.635 1.630	.753 .747	NA	NA	.246 .244	.292 .290	.572 .522	NA	1.614 1.604	.962 .897

SM591

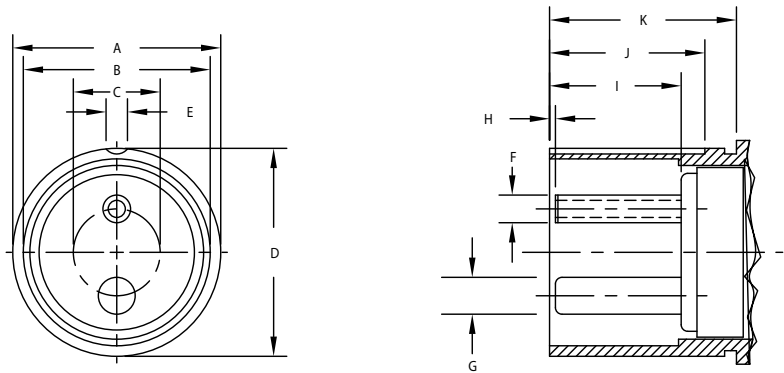
Figure C5.14



SM589

Figure C5.15

PLUG
2P



	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	H	I	J	K
10A 250V/600VAC 15A 250VAC 20A 125V	1.578 1.568	1.415 1.392	.659 .653	1.540 1.520	.216 .156	.218 .216	.281 .279	.091 .003	1.013 .957	1.202 1.172	1.426 1.416
20A 600VAC 30A 250V	1.858 1.848	1.661 1.651	.753 .747	NA	NA	.250 .248	.296 .294	.158 .134	1.137 1.081	NA	1.644 1.634

SM588

NOT USED
L-Z

ULNORM.COM : Click to view the full PDF of UL 1686 2024

Figure C5.16
Receptacle and Connector

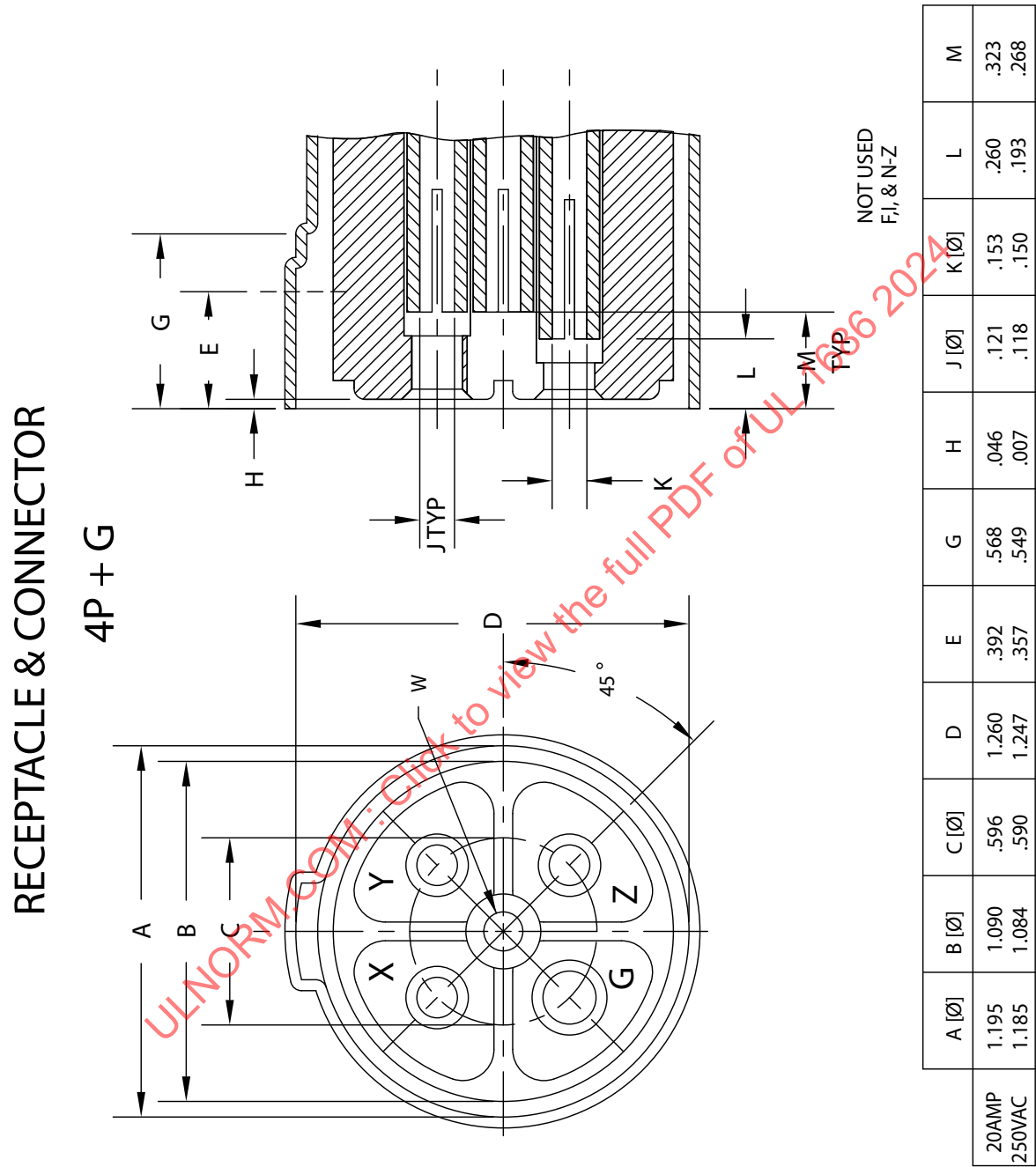
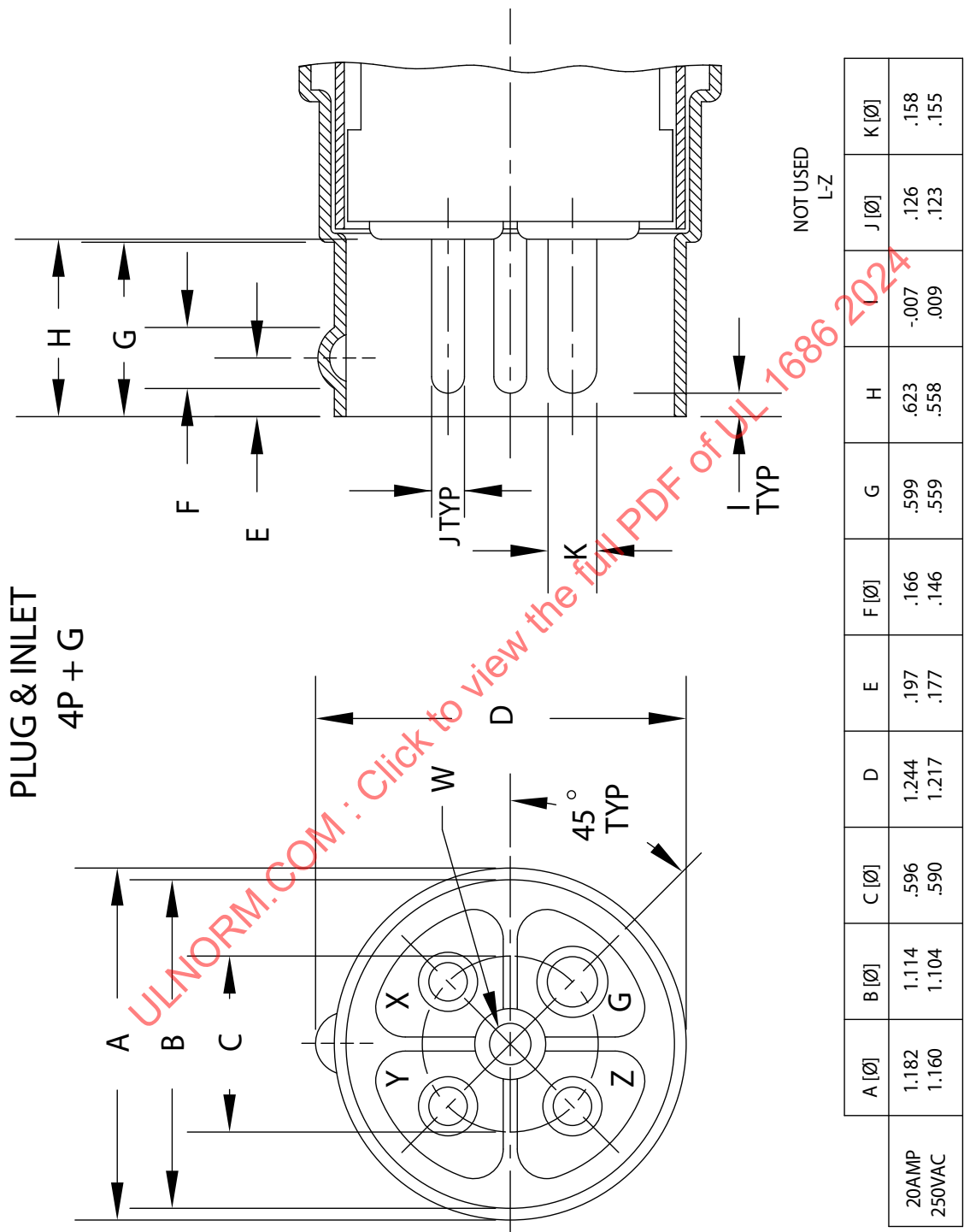


Figure C5.17
Plug and Inlet



SM548

Figure C5.18
Receptacle
(2P + G General)

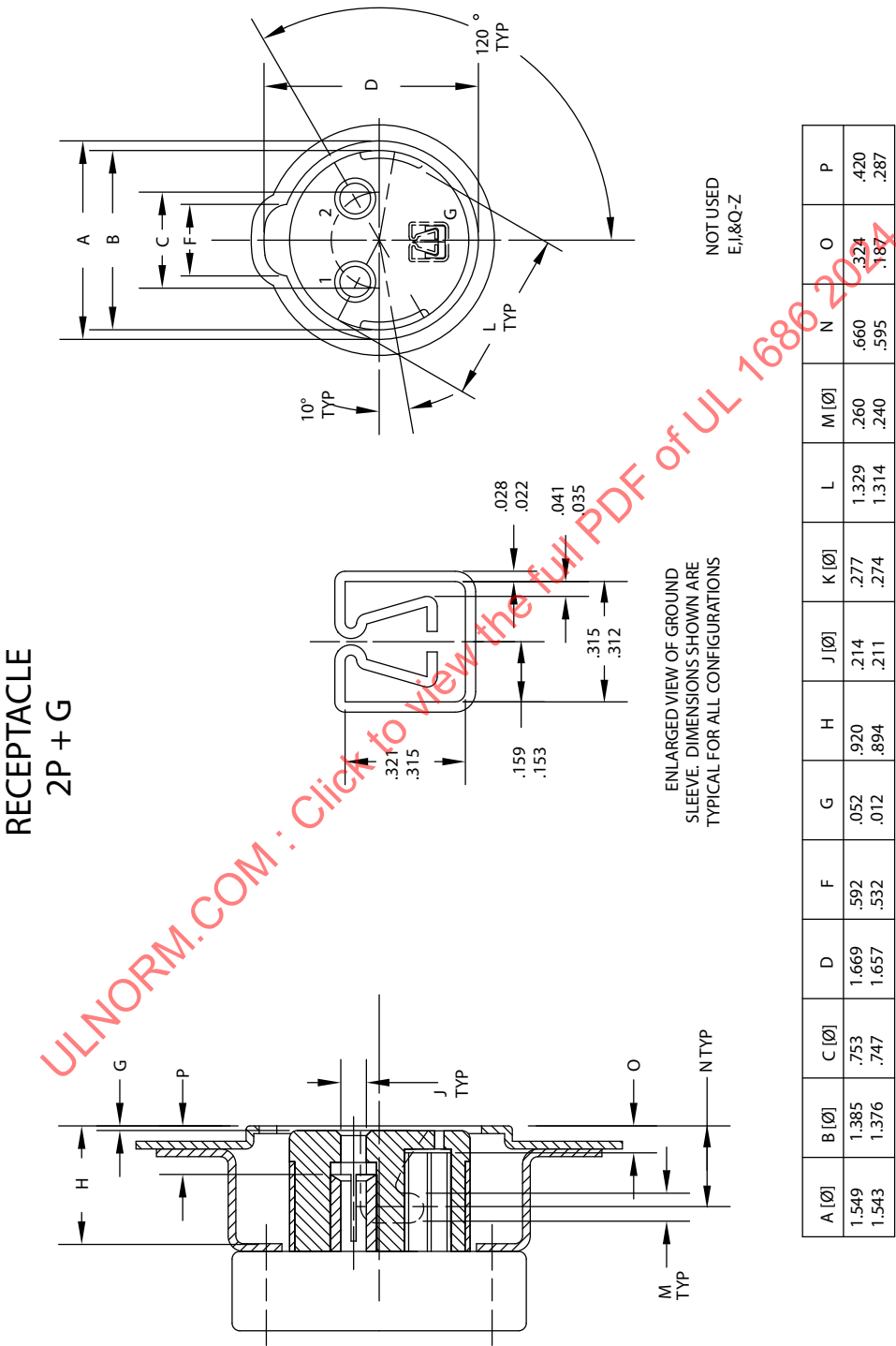


Figure C5.19

Receptacle

(2P + G Ratings and Face Configurations)

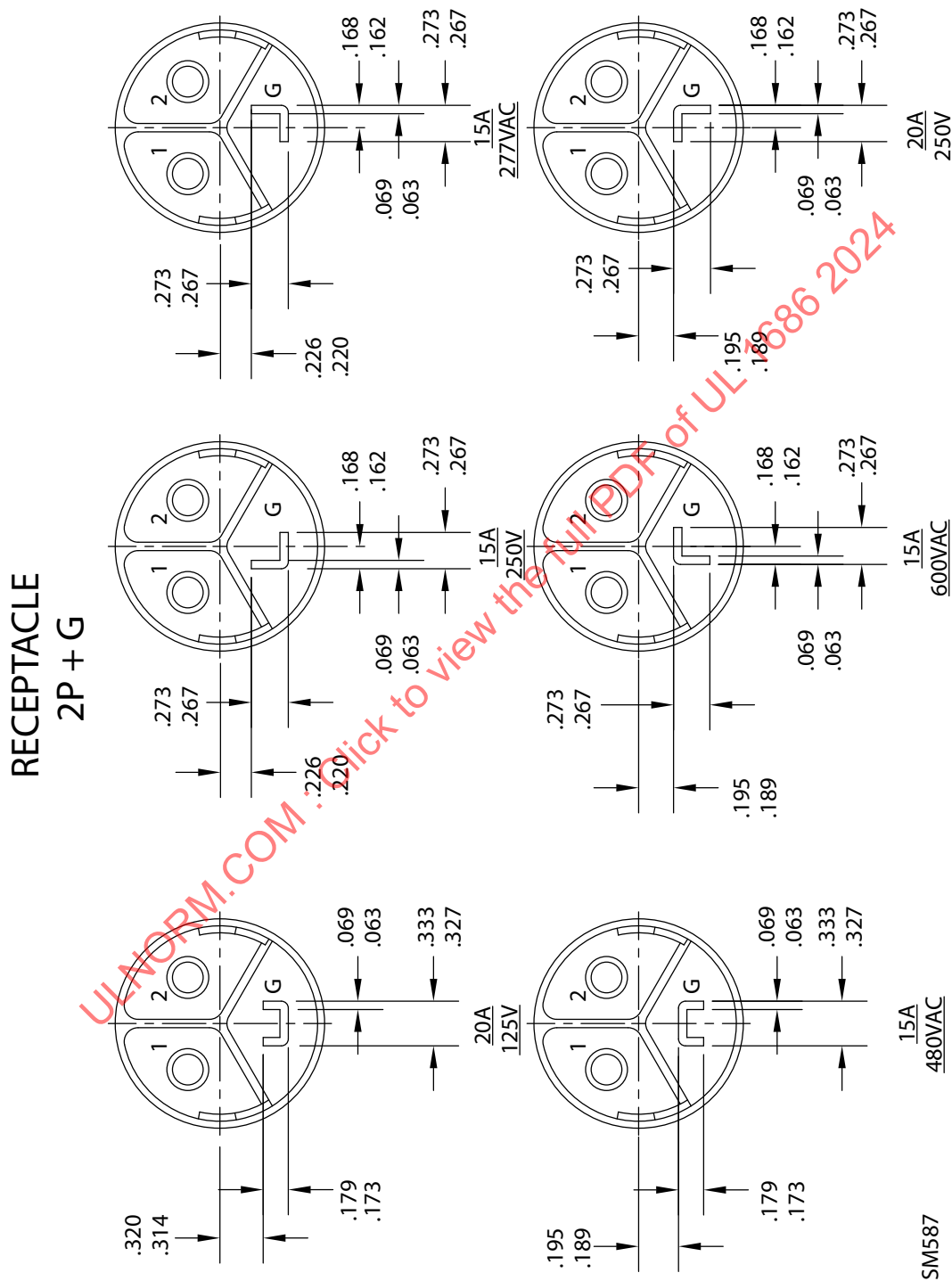
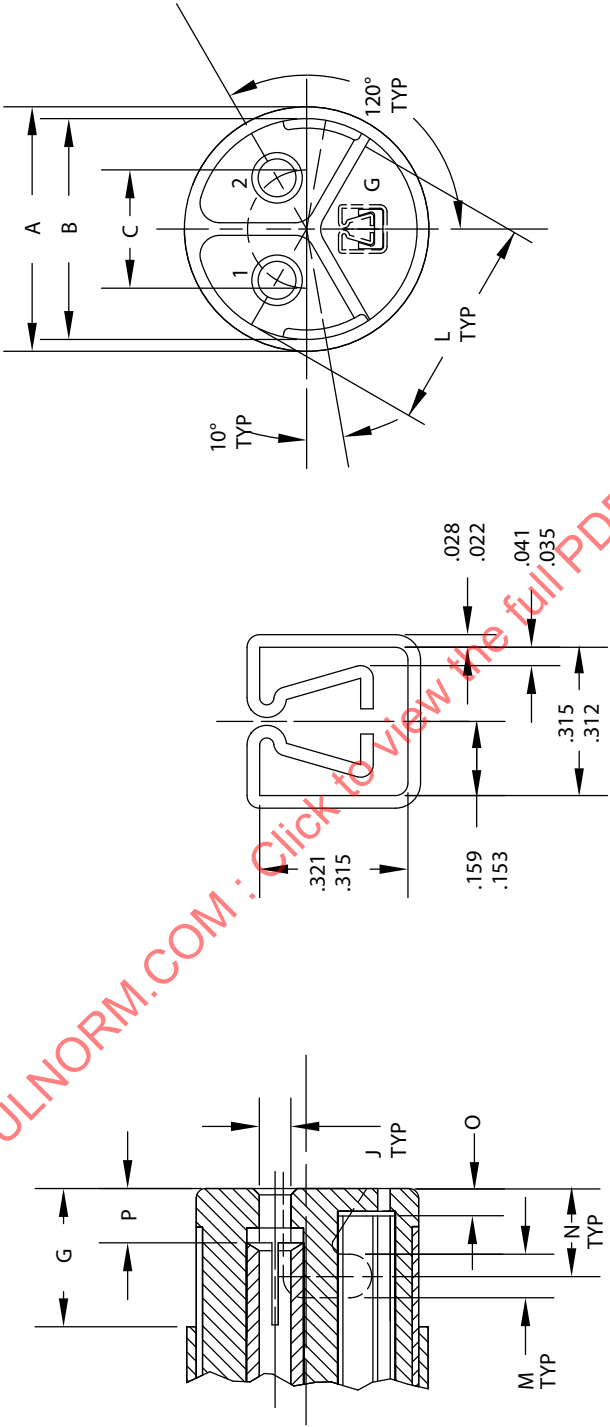


Figure C5.20
Connector
(2P + G General)

CONNECTOR
2P + G



ENLARGED VIEW OF GROUND
SLEEVE. DIMENSIONS SHOWN ARE
TYPICAL FOR ALL CONFIGURATIONS

NOT USED
D,E,F,H,I,K & Q-Z

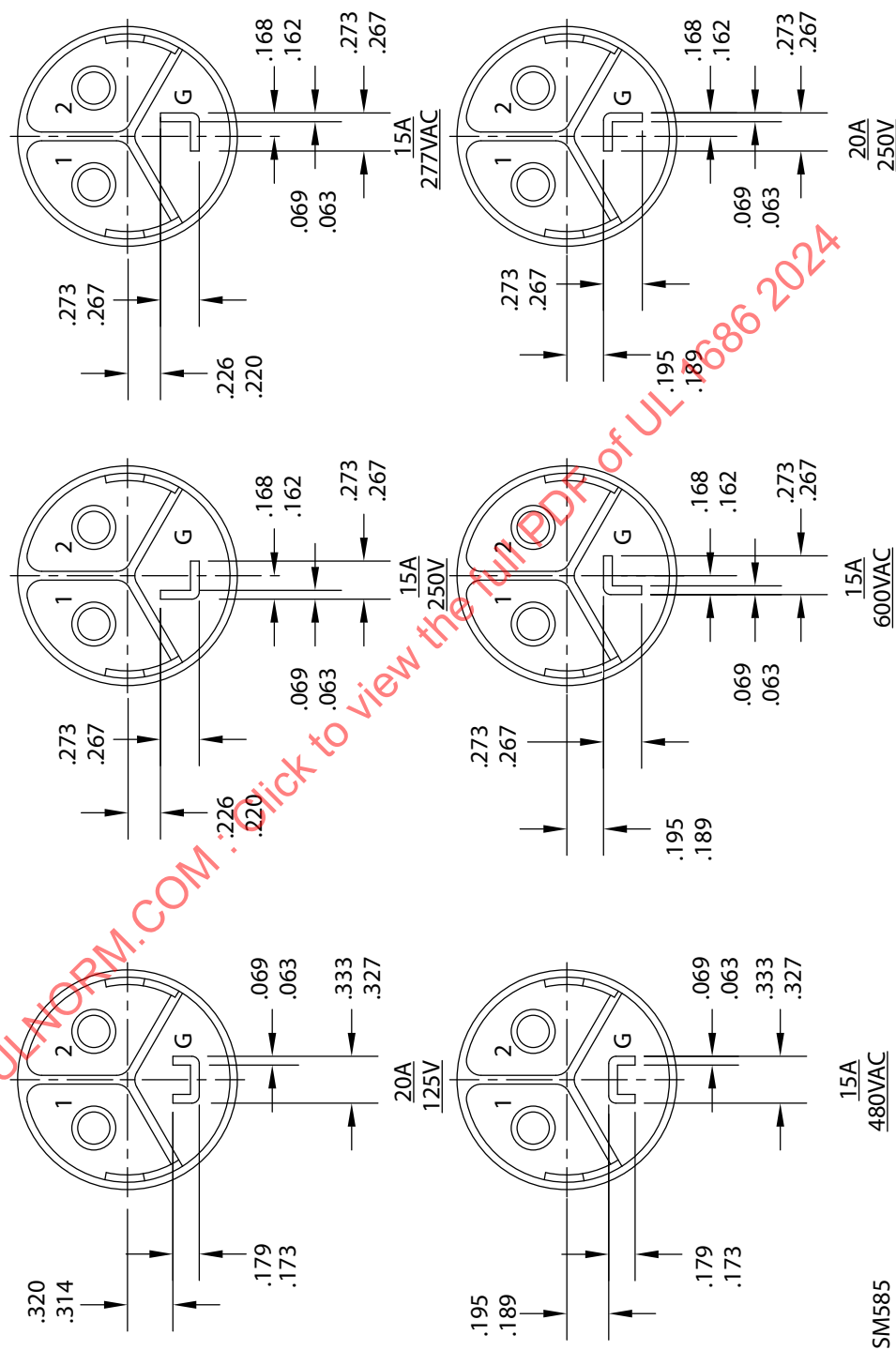
A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	L	M [Ø]	N	O	P
1.501	1.385	.753	.866	.214	1.329	.260	.604	.272	.368
1.484	1.376	.747	.854	.211	1.314	.240	.584	.175	.275

SM584B

Figure C5.21

Connector

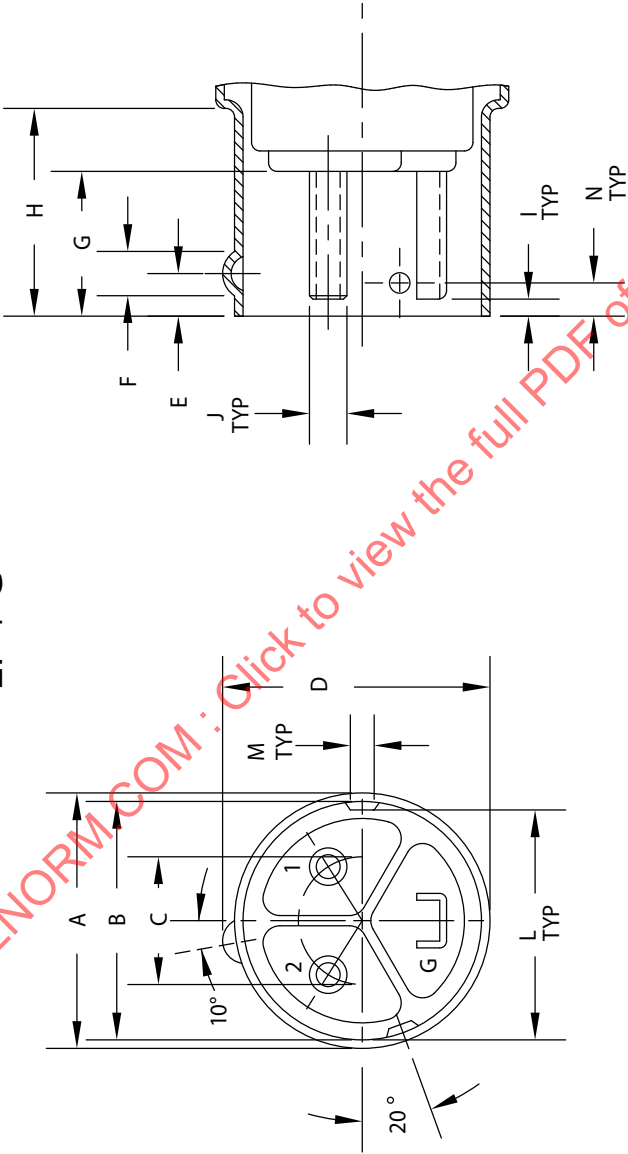
(2P + G Ratings and Face Configurations)

CONNECTOR
2P + G

SM585

Figure C5.22
Plug and Inlet
(2P + G General)

PLUG & INLET
2P + G

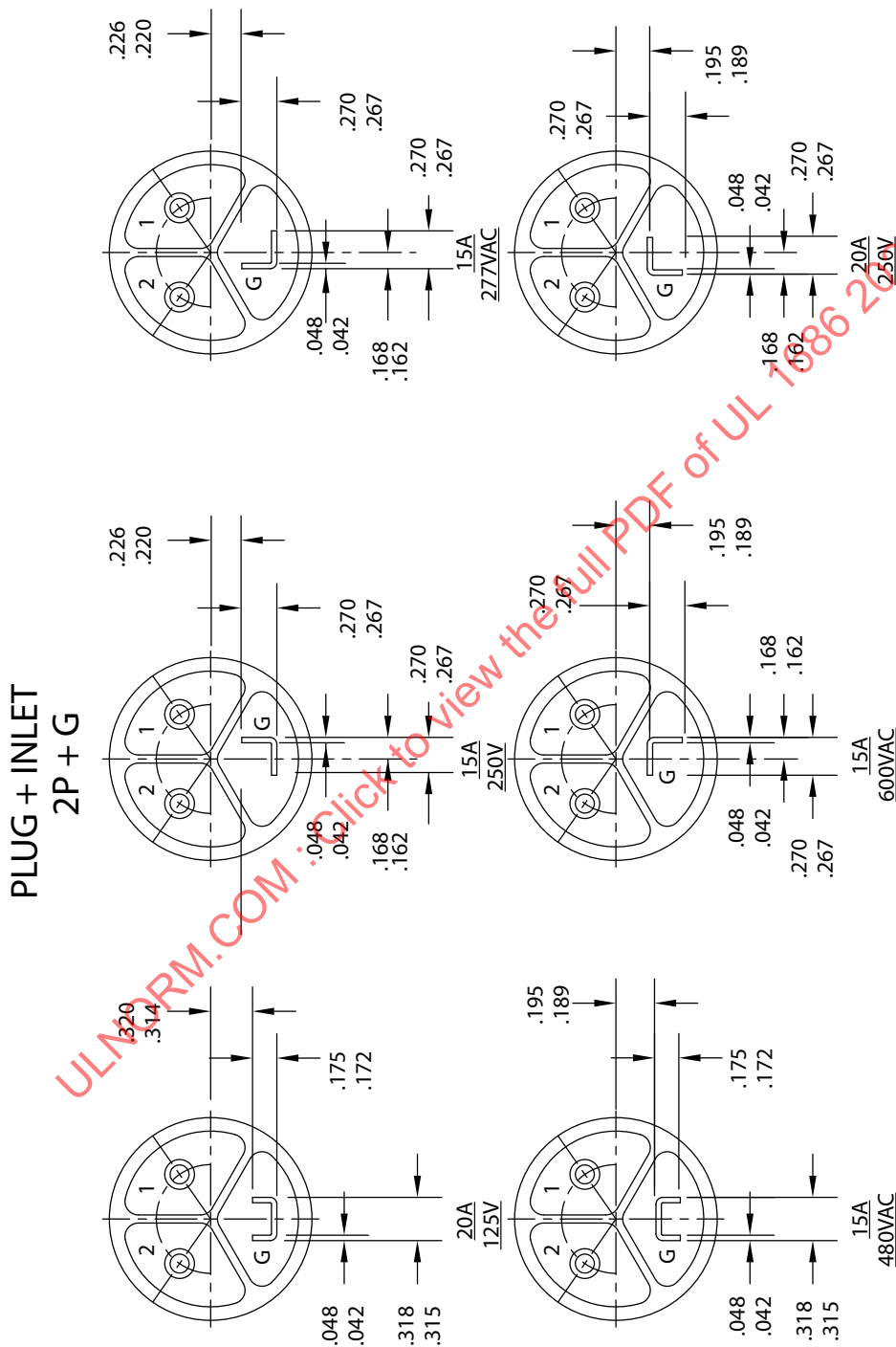


NOT USED
K & O-Z

A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G	H	I	J [Ø]	L	M [Ø]	N
1.511	1.405	.753	1.593	.260	.250	.875	1.238	.162	.218	1.358	.220	.197
1.496	1.402	.747	1.573	.240	.245	.825	1.198	.056	.216	1.350	.140	.177

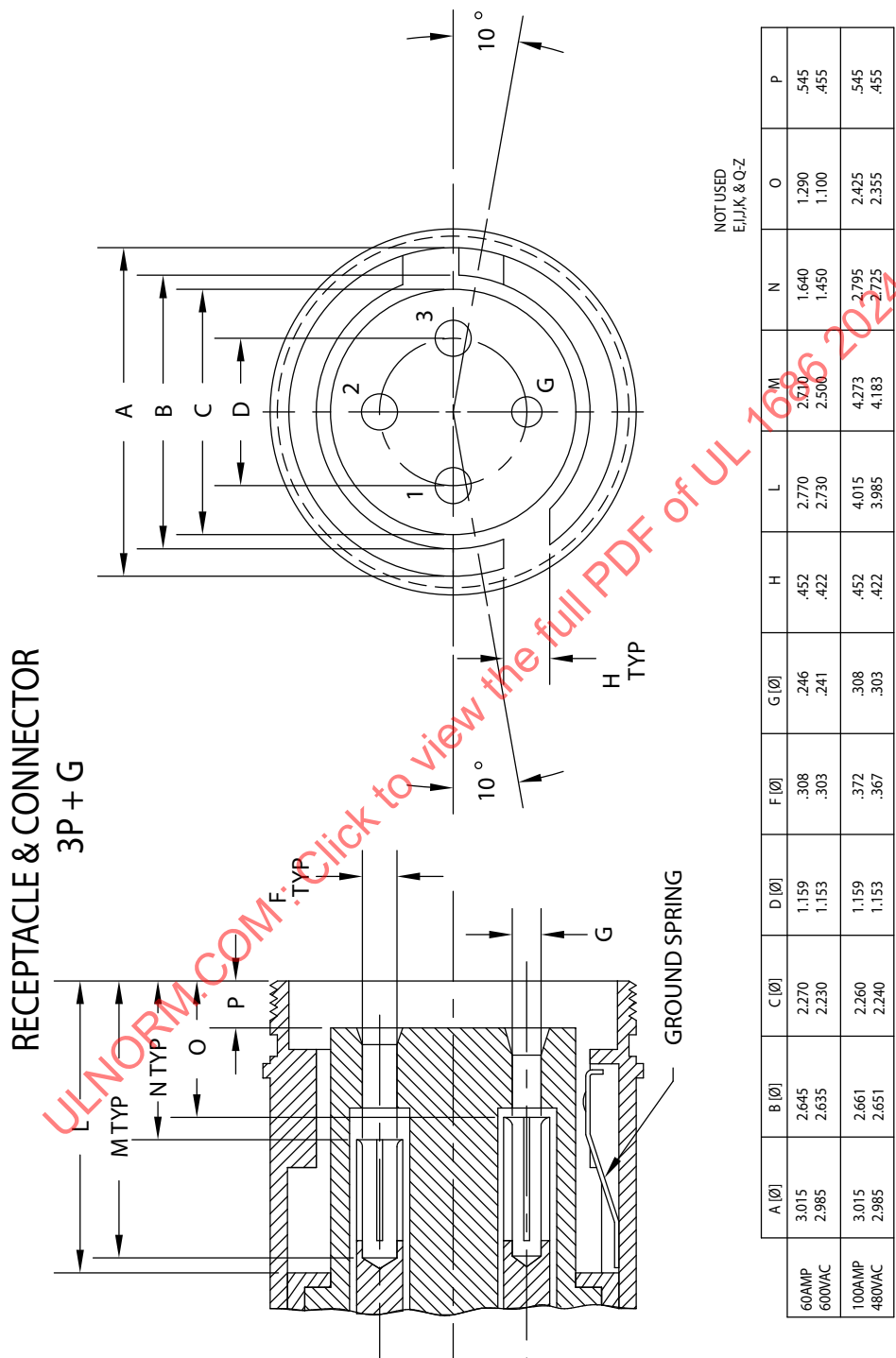
SM582B

Figure C5.23
Plug and Inlet
(2P + G Ratings and Face Configurations)



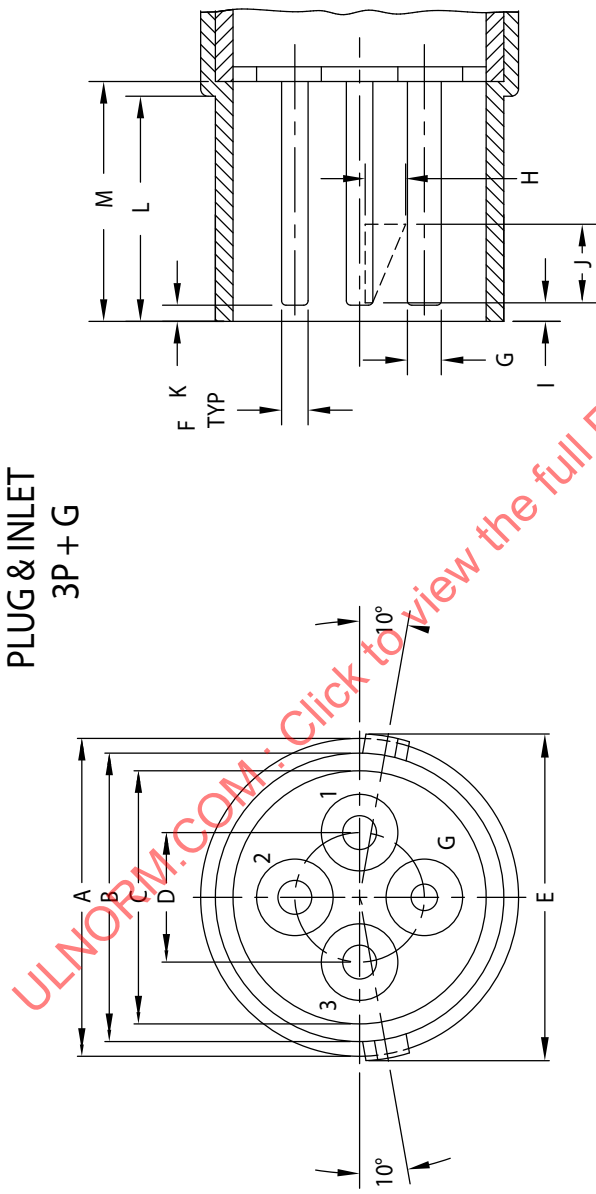
SM583A

Figure C5.24
Receptacle and Connector



SM581

Figure C5.25
Plug and Inlet



	A [Ø]	B [Ø]	C [Ø]	D [Ø]	E [Ø]	F [Ø]	G [Ø]	H	I	J	K	L	M
60AMP 600VAC	2.895	2.590	2.286	1.159	2.946	.312	.250	.390	.140	.765	.015	2.046	2.181
	2.865	2.570	2.276	1.153	2.926	.310	.248	.360	.110	.735	.090	2.016	2.131
100AMP 480VAC	2.890	2.590	2.286	1.159	2.946	.375	.312	.390	.140	.765	.015	3.296	3.421
	2.860	2.570	2.276	1.153	2.926	.373	.310	.360	.110	.735	.090	3.266	3.391

SM580

Figure C5.26
Receptacle and Connector

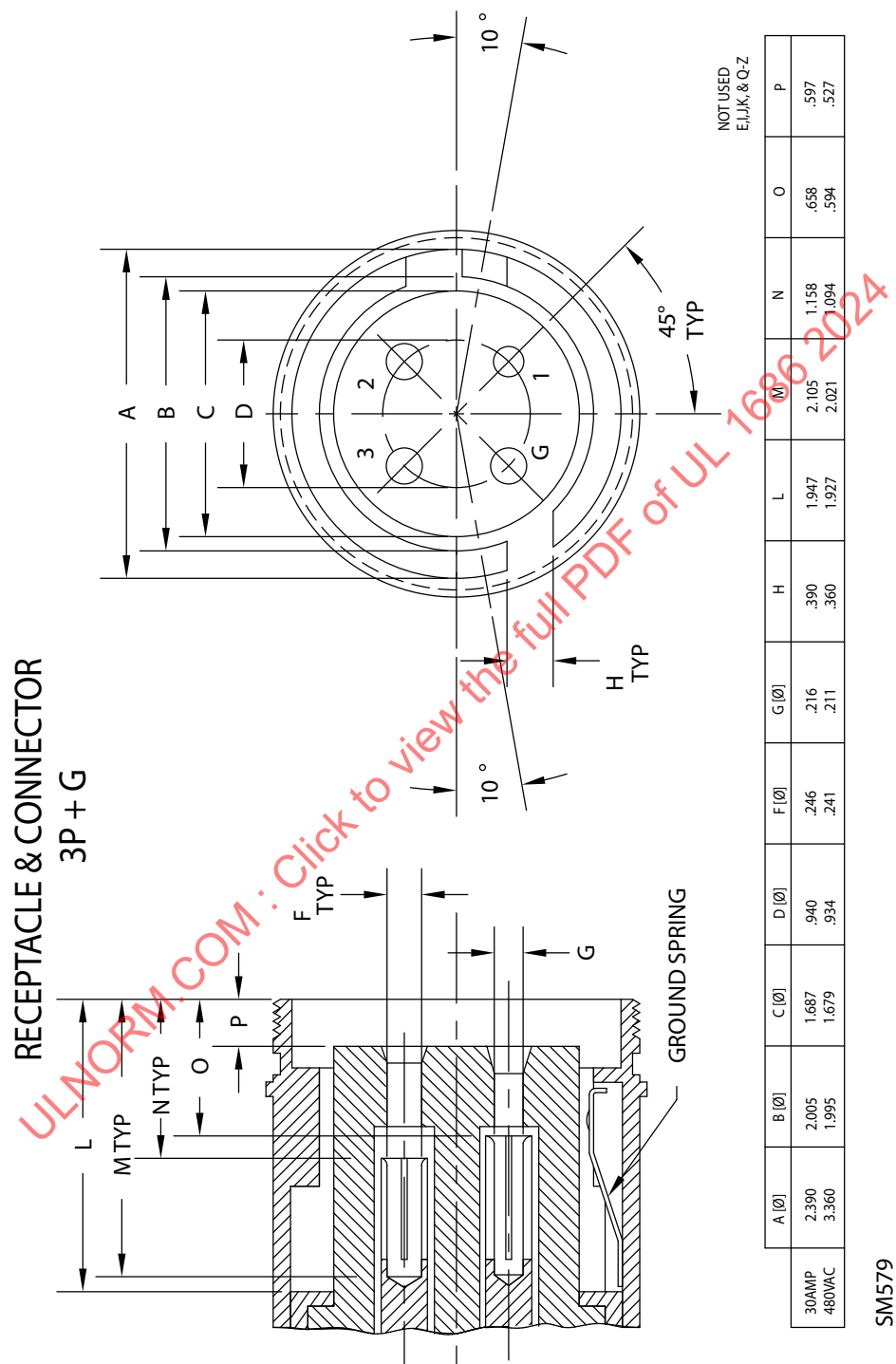
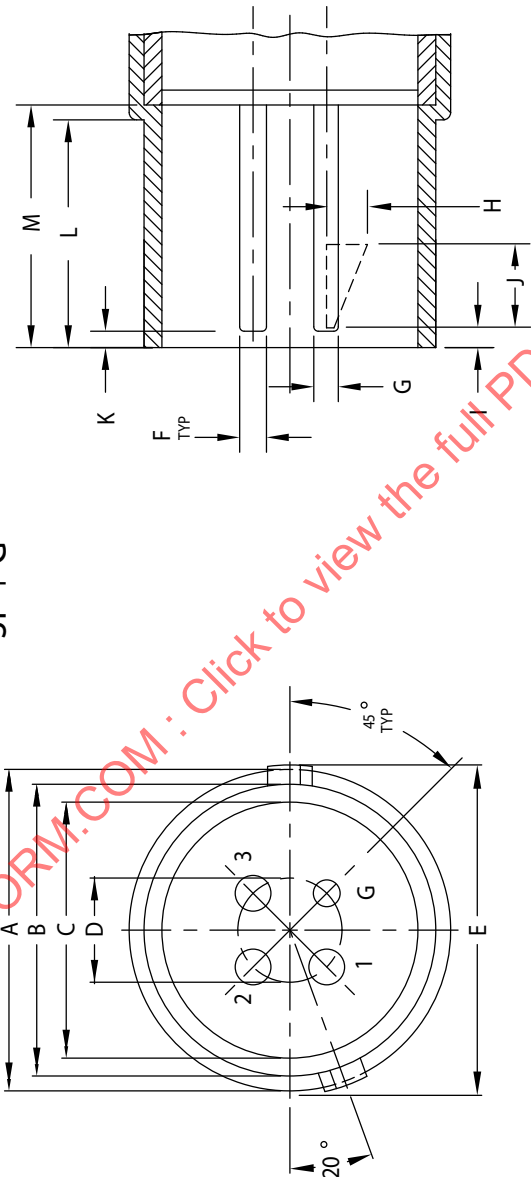


Figure C5.27
Plug and Inlet

PLUG & INLET
3P + G



NOT USED
N-Z

	A [Ø]	B [Ø]	C [Ø]	D [Ø]	E [Ø]	F [Ø]	G [Ø]	H	I	J	K	L	M
30AMP	2.265	1.973	1.739	.940	2.196	.250	.218	.327	.031	.702	.015	1.296	1.421
480VAC	2.235	1.963	1.729	.934	2.176	.248	.216	.297	.061	.672	.090	1.266	1.391

SM578

Figure C5.28
Receptacle and Connector

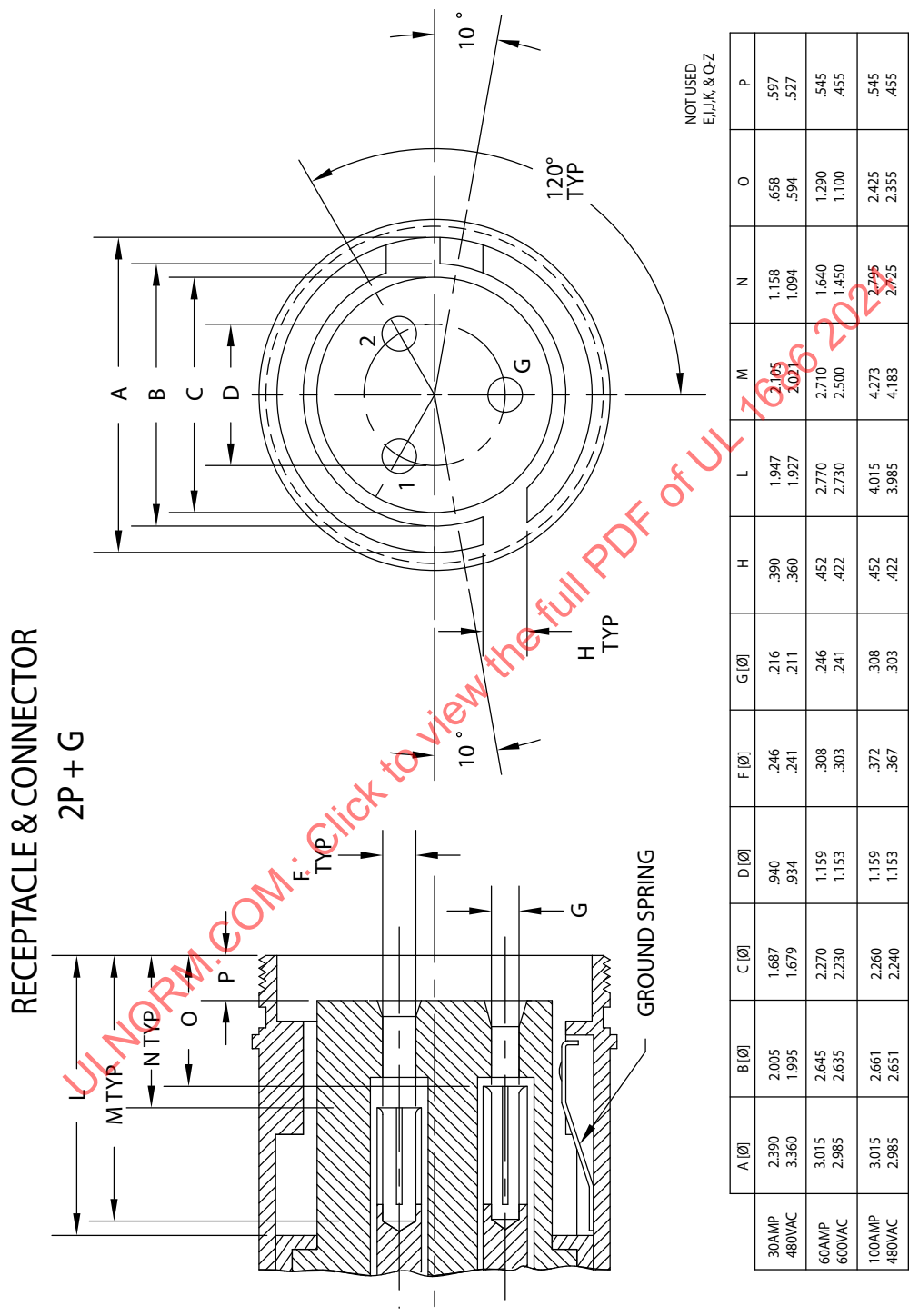
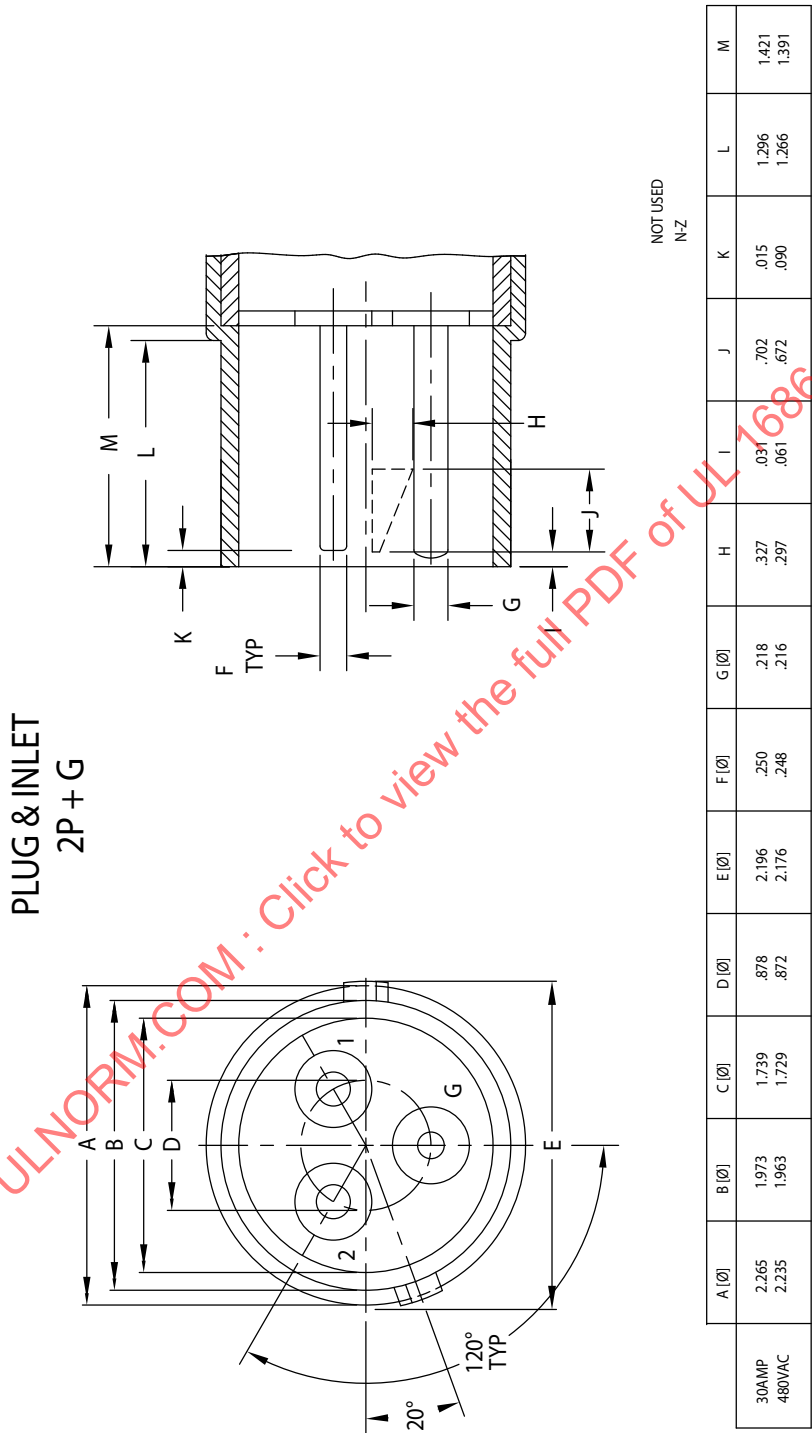
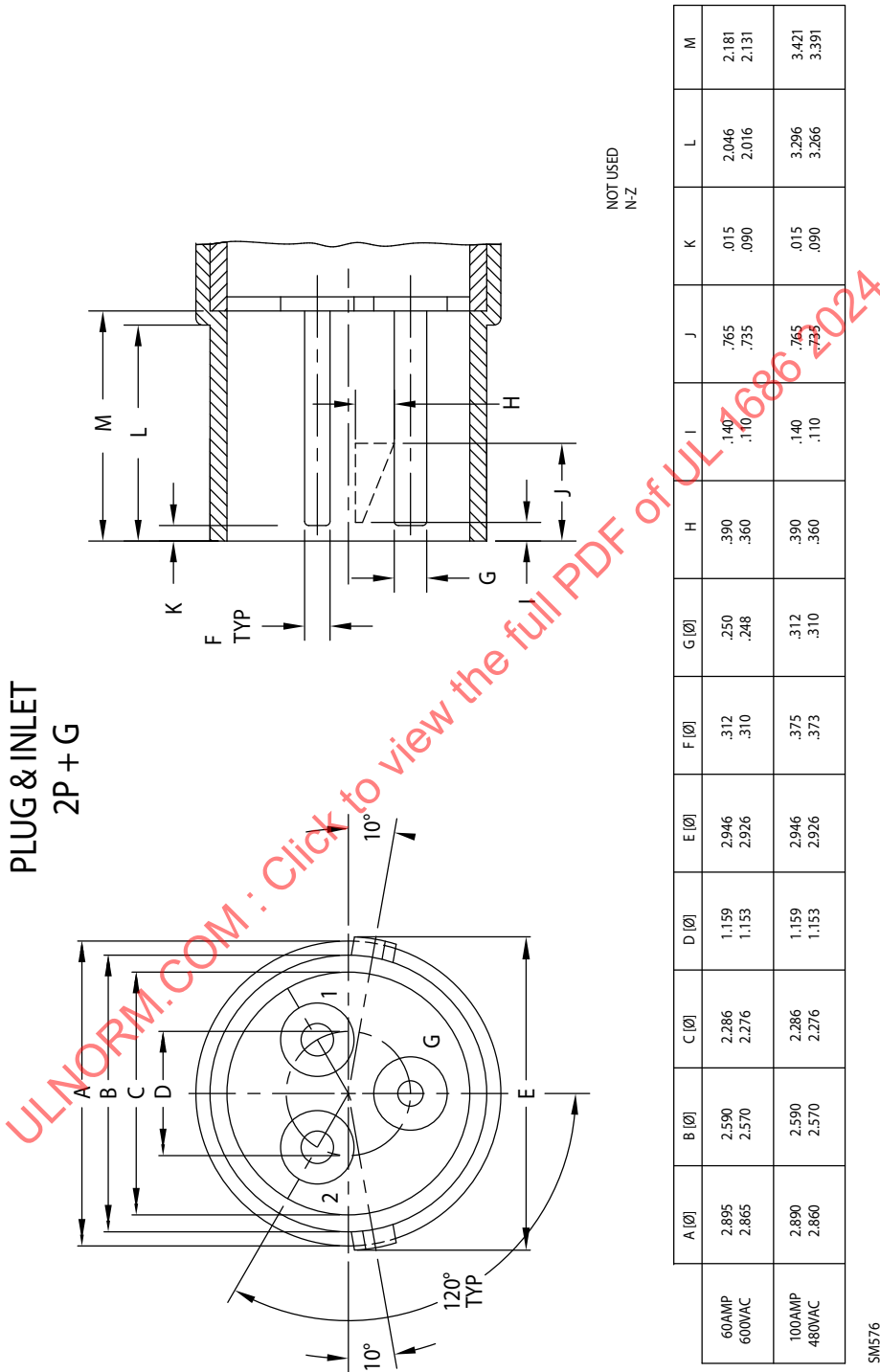


Figure C5.29
Plug and Inlet



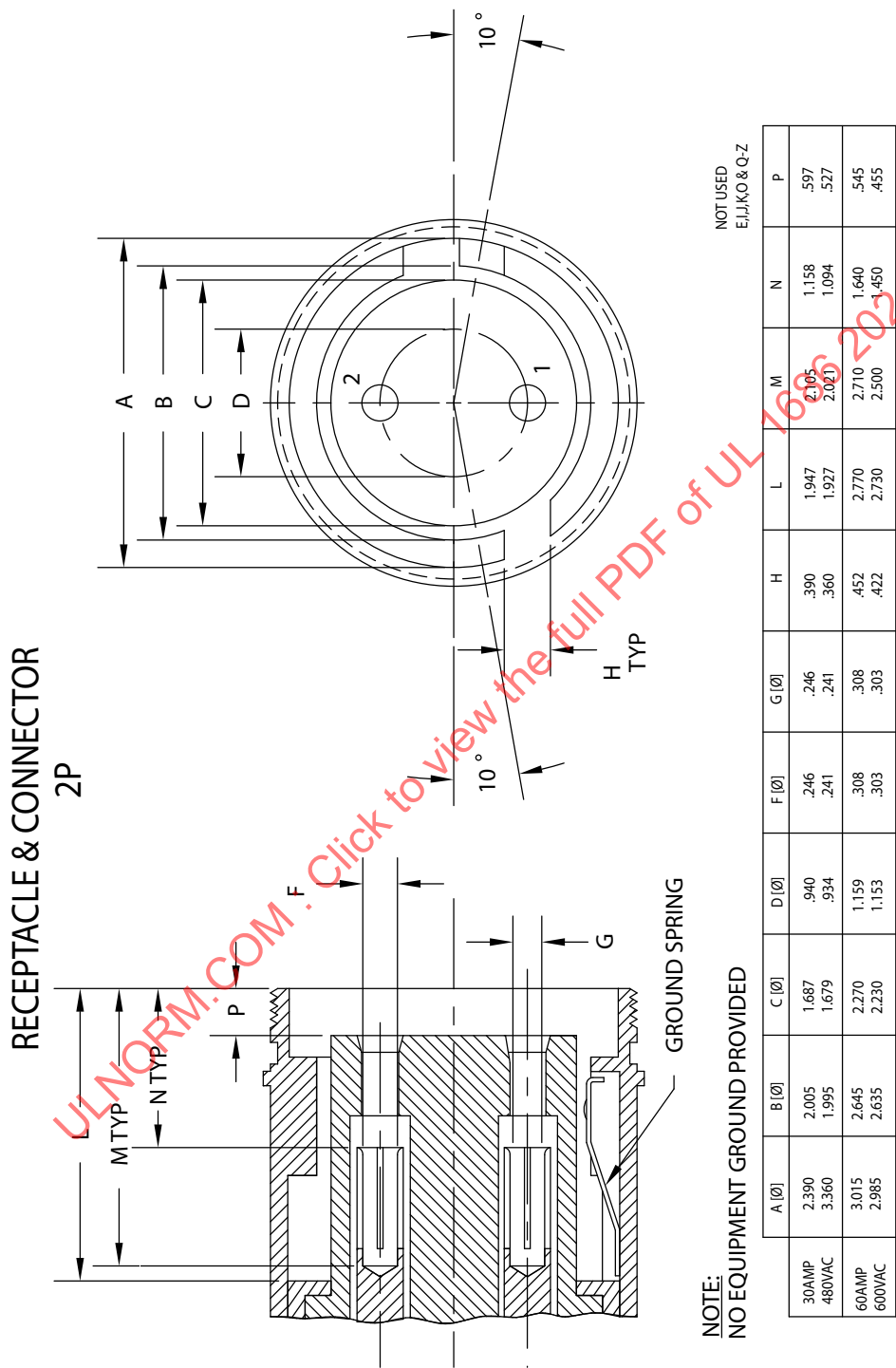
SM575

Figure C5.30
Plug and Inlet



SM576

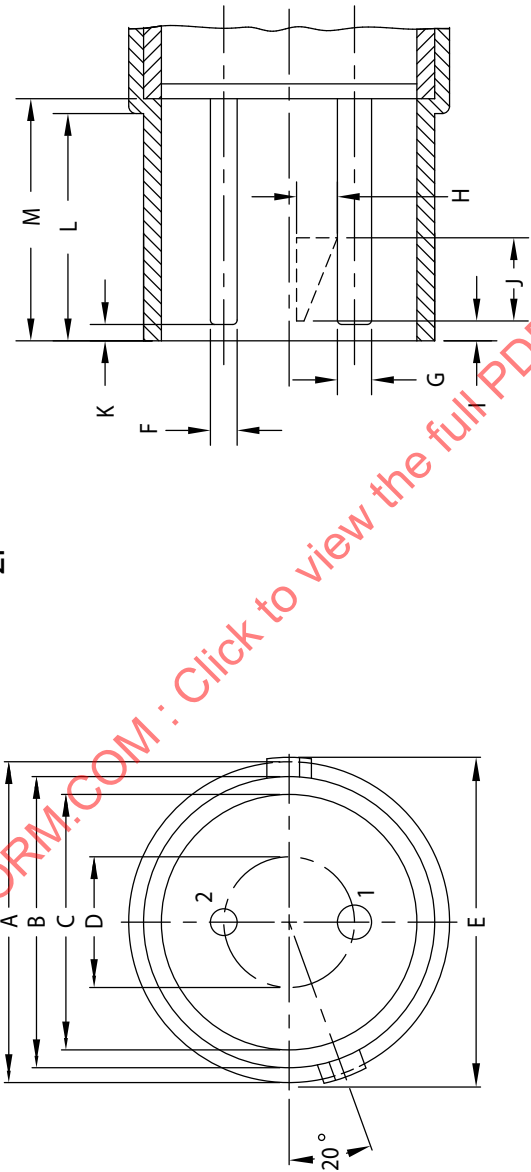
Figure C5.31
Receptacle and Connector



SM574

Figure C5.32
Plug and Inlet

PLUG & INLET
2P

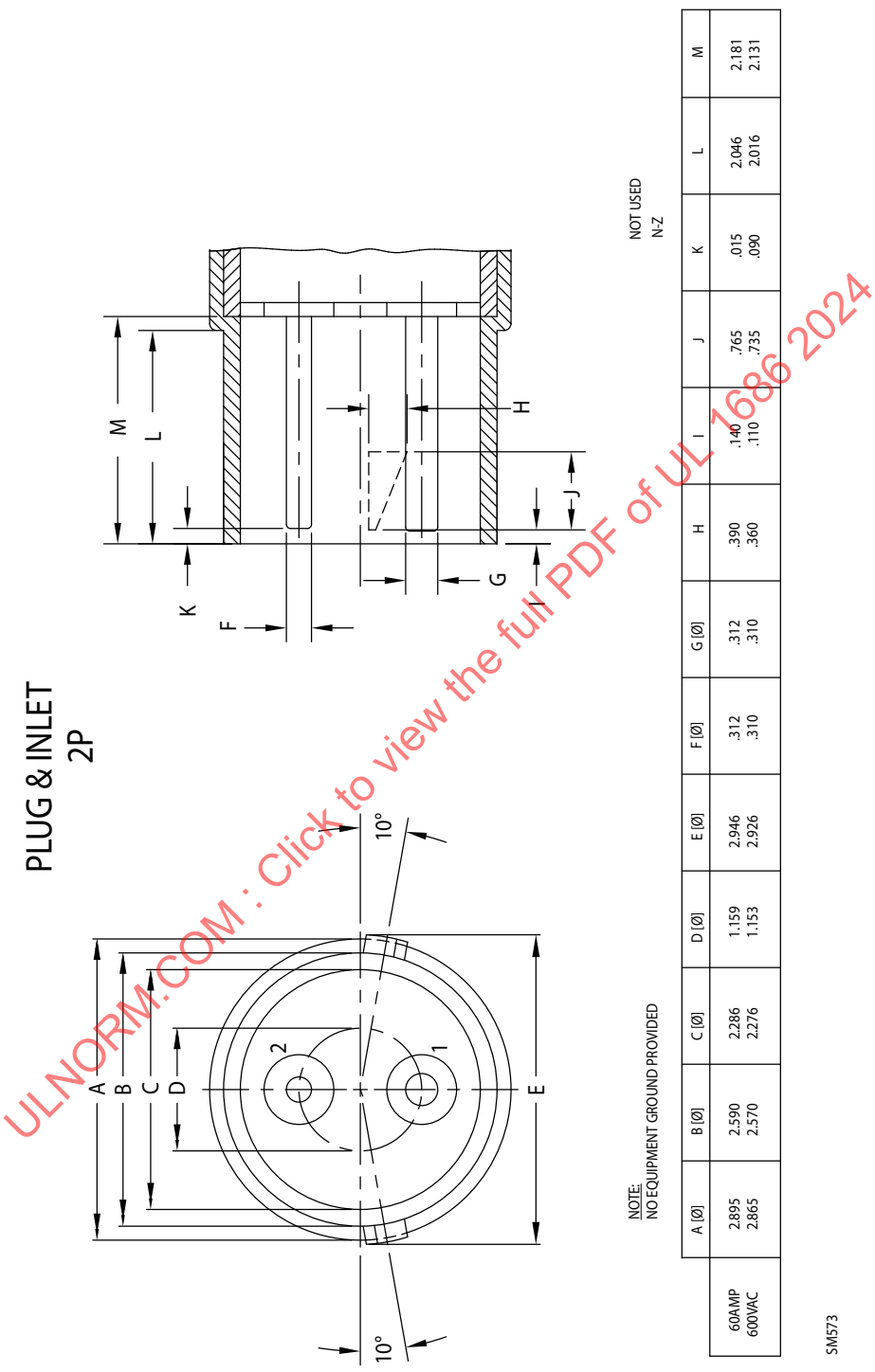


NOTE:
NO EQUIPMENT GROUND PROVIDED

30AMP 480VAC	A [Ø]	B [Ø]	C [Ø]	D [Ø]	E [Ø]	F [Ø]	G [Ø]	H	I	J	K	L	M
	2.265 2.235	1.973 1.963	1.739 1.729	.878 .872	2.196 2.176	.250 .248	.312 .310	.327 .297	.031 .061	.702 .672	.015 .090	1.296 1.266	1.421 1.391

SM572

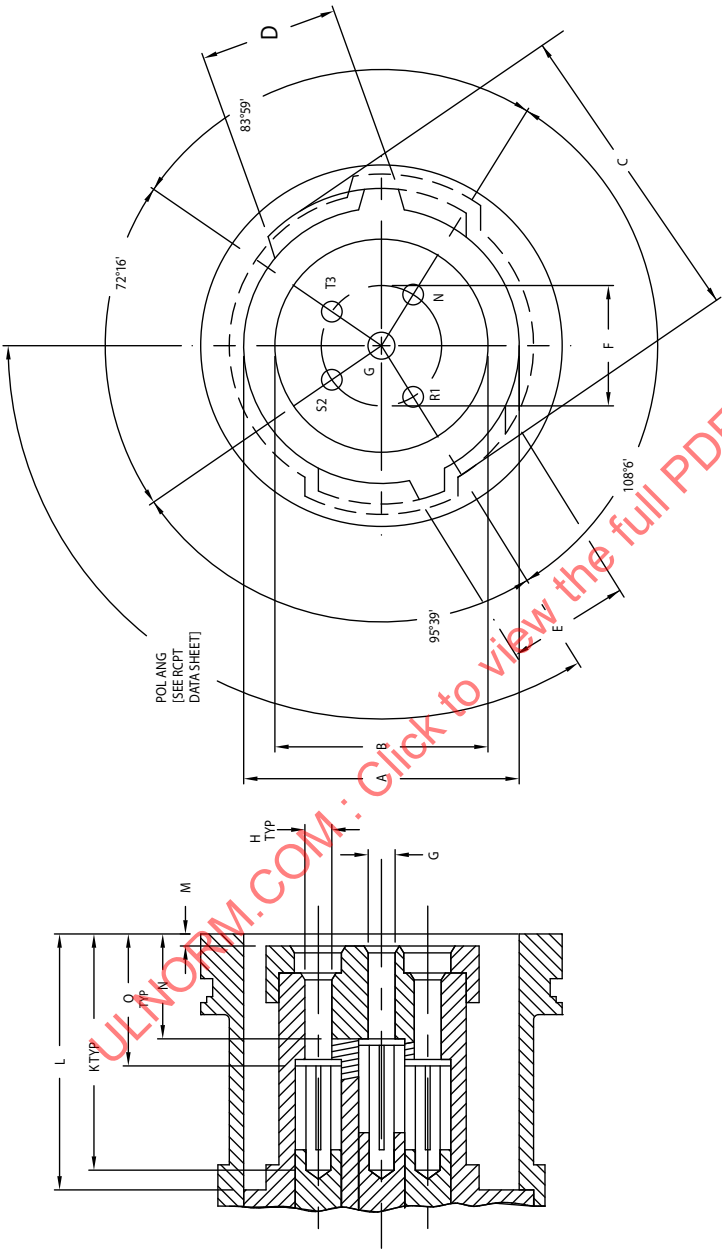
Figure C5.33
Plug and Inlet



SM573

Figure C5.34
Receptacle and Connector

RECEPTACLE & CONNECTOR



NOTE:

FOR TYPE OF RECEPTACLE AND POLARIZATION ANGLE SEE RCPT DATA SHEET

NOT USED
I, J, & P-Z

	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	H [Ø]	K	L	M	N	O
30AMP	2.657	2.135	2.983	1.342	1.217	1.378	.213	.246	2.958	3.140	.160	1.328	1.578
	2.632	2.105	2.962	1.282	1.157	1.372	.208	.241	2.782	3.120	.090	1.172	1.422
60AMP	3.000	2.447	3.327	1.467	1.342	1.567	.246	.308	3.163	3.390	.160	1.405	1.778
	2.977	2.427	3.302	1.407	1.282	1.557	.241	.303	3.143	3.360	.090	1.253	1.642
100AMP	3.402	2.760	3.730	1.592	1.467	1.753	.308	.433	3.218	3.577	.160	1.443	1.828
	3.380	2.740	3.705	1.532	1.407	1.747	.303	.428	3.123	3.547	.090	1.313	1.703

5M570

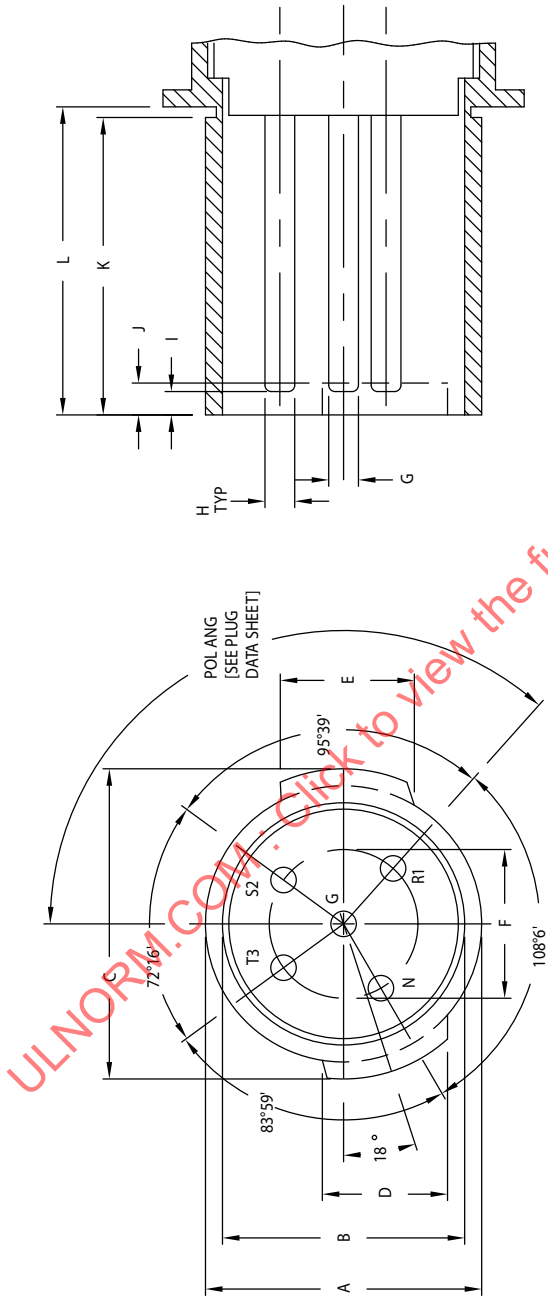
Figure C5.35
Receptacle Data Sheet

RECEPTACLE DATA SHEET									
2W 3P N-R1-G	2W 3P R1-S2-G	3W 4P N-R1-S2-G	3W 4P R1-S2-T3-G	4W 5P N-R1-S2-T3-G	2W 3P N-T3-G	2W 3P N-S2-G	3W 4P N-S2-T3-G	3W 4P N-R1-T3-G	
POL ANG					NOTE: FOR THESE CONFIGURATIONS USE POL ANG FROM TABLE AND ADD 108°				
126°	380V-50HZ	220/380V-50HZ	380V-50HZ	220/380V-50HZ					
111°									
96°	220V-50HZ	127/220V-50HZ	220V-50HZ	127/220V-50HZ					
81°	277V-60HZ	480V-60HZ	30480V-60HZ	30480V-60HZ					
66°	250V-50HZ	440V-50HZ	30440V-50HZ	30250/440V-50HZ					
51°									
36°	125V-60HZ	250V-60HZ	30250V-60HZ	30V125/250V-60HZ					
21°	220V-60HZ	380V-60HZ	30380V-60HZ	30220/380V-60HZ					
6°	100V-60HZ	220V-60HZ	30220V-60HZ	30V100/220V-60HZ					
351°									
336°	115V-400HZ	220V-400HZ	220V-400HZ	115/220V-400HZ					
321°									
306°									
291°	347V-60HZ	600V-60HZ	30600V-60HZ	230VDC	250VDC	125VDC	125/250VDC		
276°	100V-50HZ	220V-50HZ	100/220V-50HZ	30V347/600V-60HZ					
261°	120V-60HZ	208V-60HZ	120/208V-60HZ	30V100/220V-50HZ					
246°	120V-400HZ	208V-400HZ	30208V-60HZ	30V120/208V-60HZ					
231°		208V-400HZ	30208V-400HZ	30V120/208V-400HZ					
216°				250VDC	28VDC				
201°									
186°		440V-60HZ	250/440V-60HZ	30V250/440V-60HZ					
171°									
156°									
141°									

SM571

Figure C5.36
Plug and Inlet

PLUG & INLET



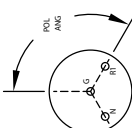
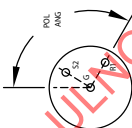
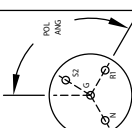
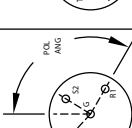
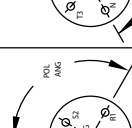
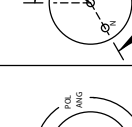
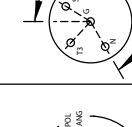
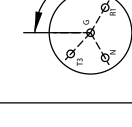
NOTE:
FOR TYPE OF PLUG AND POLARIZATION ANGLE SEE PLUG DATA SHEET

NOT USED
M-Z

	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G [Ø]	H [Ø]	I	J	K	L
30AMP	2.610	2.296	2.920	1.203	1.077	1.378	.221	.250	.215	.327	2.827	2.890
	2.580	2.208	2.890	1.173	1.047	1.372	.215	.248	.195	.297	2.797	2.860
60AMP	2.952	2.598	3.255	1.327	1.202	1.567	.250	.312	.152	.390	3.068	3.140
	2.922	2.505	3.245	1.297	1.172	1.557	.248	.310	.092	.360	3.048	3.110
100AMP	3.355	2.942	3.667	1.452	1.327	1.753	.315	.437	.192	.390	3.255	3.327
	3.325	2.870	3.637	1.422	1.297	1.747	.309	.435	.112	.360	3.225	3.297

SM568

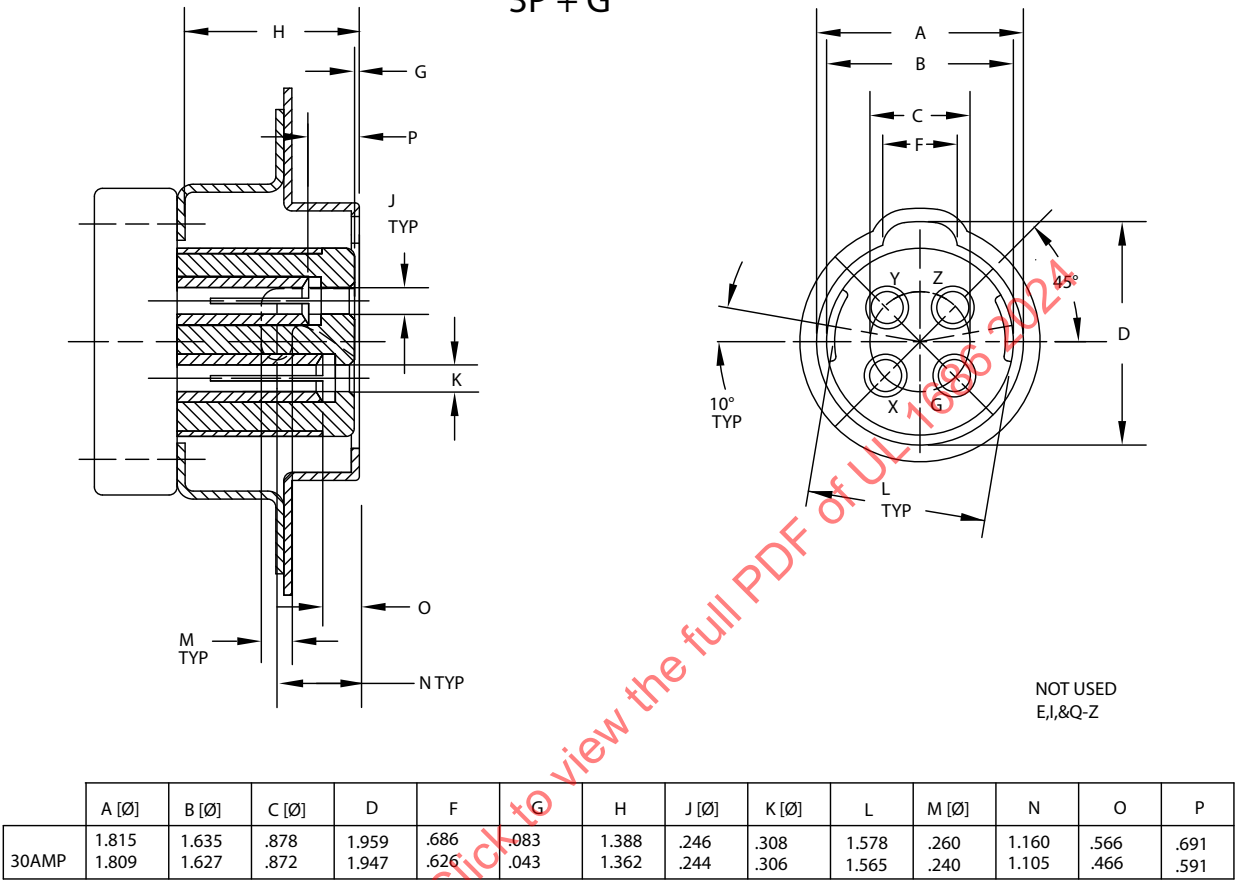
Figure C5.37
Plug Data Sheet

PLUG DATA SHEET									
									
	2W 3P N-R1-G	2W 3P R1-S2-G	3W 4P N-R1-S2-G	3W 4P R1-S2-T3-G	4W 5P N-R1-S2-T3-G	2W 3P N-T3-G	2W 3P N-S2-G	3W 4P N-S2-T3-G	3W 4P N-R1-T3-G
POL ANG									
126°	220V-50HZ	380V-50HZ	220/380V-50HZ	380V-50HZ	220/380V-50HZ				
111°									
96°	127V-50HZ	220V-50HZ	127/220V-50HZ	220V-50HZ	127/220V-50HZ				
81°	277V-60HZ	480V-60HZ	277/480V-60HZ	30480V-60HZ	30480V-60HZ				
66°	250V-50HZ	440V-50HZ	230/440V-50HZ	30440V-50HZ	30250/440V-50HZ				
51°									
36°	125V-60HZ	250V-60HZ	125/250V-60HZ	30250V-60HZ	30V125/250V-60HZ				
21°	220V-60HZ	380V-60HZ	220/380V-60HZ	30380V-60HZ	30220/380V-60HZ				
6°	100V-60HZ	220V-60HZ	100/220V-60HZ	30220V-60HZ	30100/220V-60HZ				
351°									
336°	115V-400HZ	220V-400HZ	115/220V-400HZ	220V-400HZ	115/220V-400HZ				
321°									
306°								125VDC	125/250VDC
291°	347V-60HZ	600V-60HZ	347/600V-60HZ	30600V-60HZ	30V347/600V-60HZ				
276°	100V-50HZ	220V-50HZ	100/220V-50HZ	30220V-50HZ	30100/220V-50HZ				
261°	120V-60HZ	208V-60HZ	120/208V-60HZ	30208V-60HZ	30V120/208V-60HZ				
246°	120V-400HZ	208V-400HZ	120/208V-400HZ	30208V-400HZ	30V120/208V-400HZ				
231°					250VDC	28VDC			
216°									
201°									
186°		440V-60HZ	250/440V-60HZ	30440V-60HZ	30V250/440V-60HZ				
171°									
156°									
141°									

SM569

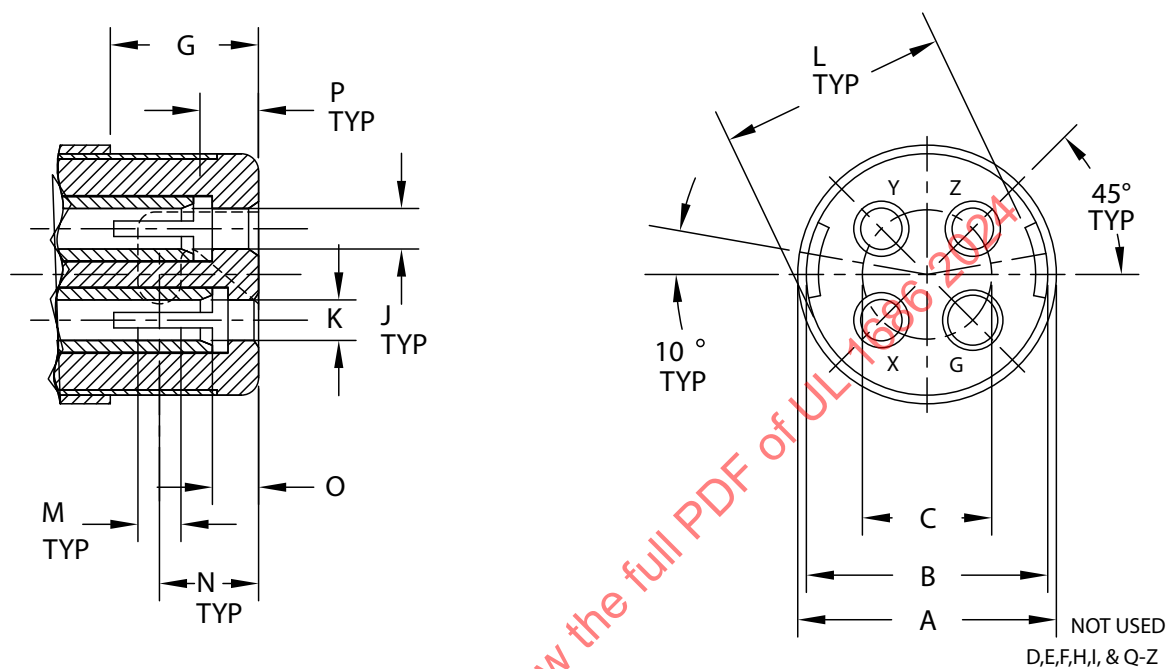
Figure C5.38

RECEPTACLE
3P + G



SM567A

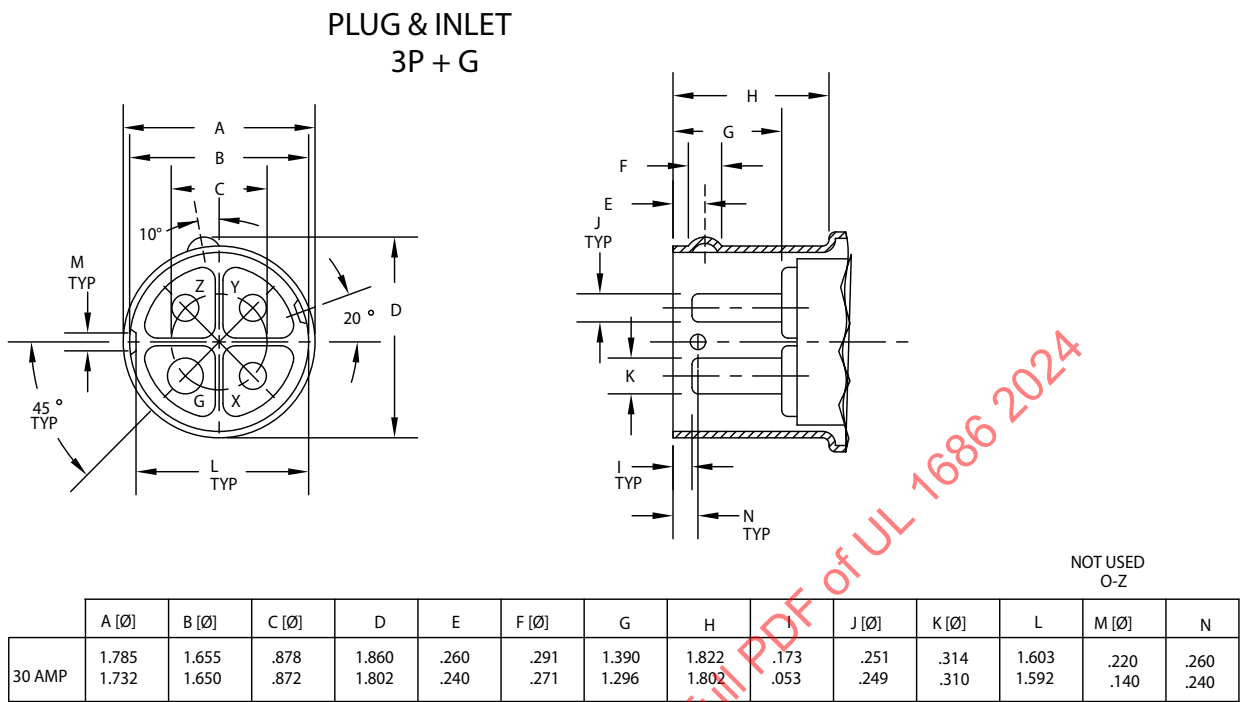
Figure C5.39

CONNECTOR
3P + G

	A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
30AMP	1.756	1.635	.878	1.406	.246	.308	1.578	.246	1.077	.523	.648
	1.739	1.627	.872	1.374	.244	.306	1.565	.226	1.062	.477	.602

SM566

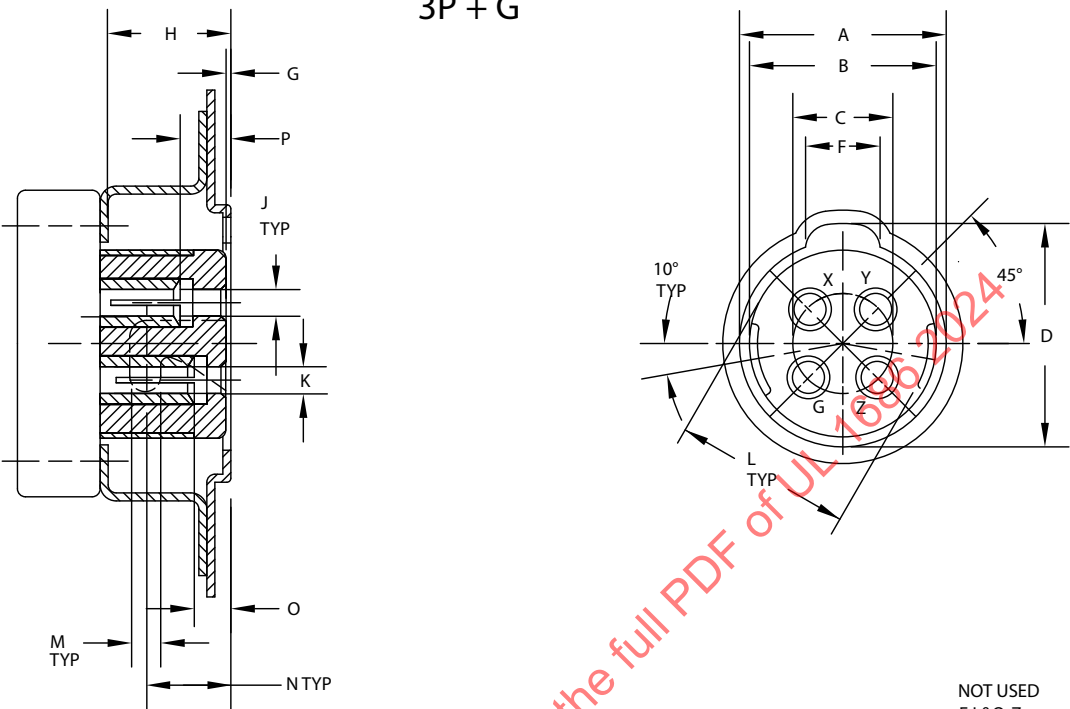
Figure C5.40



SM565

Figure C5.41

RECEPTACLE
3P + G



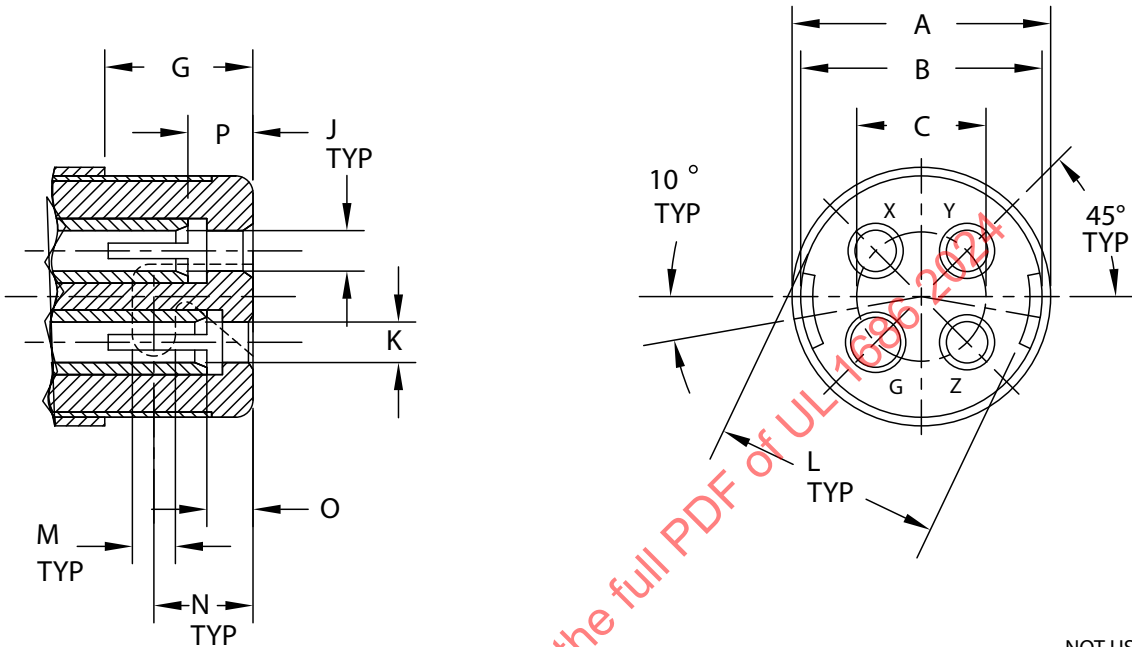
NOT USED
E,I,&Q-Z

	A [Ø]	B [Ø]	C [Ø]	D	F	G	H	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
10AMP	1.549	1.385	.753	1.669	.592	.052	.920	.214	.277	1.329	.260	.660	.218	.363
	1.543	1.376	.747	1.657	.532	.012	.894	.211	.274	1.314	.240	.595	.160	.253
20AMP	1.815	1.635	.753	1.959	.686	.083	1.076	.246	.292	1.578	.260	.848	.416	.541
	1.809	1.627	.747	1.947	.626	.043	1.050	.244	.290	1.565	.240	.783	.326	.451

SM564A

Figure C5.42

CONNECTOR
3P + G

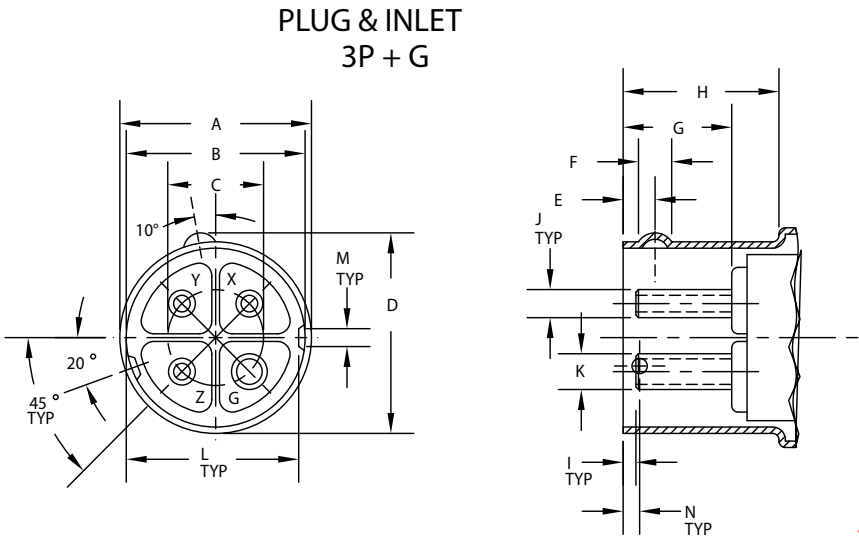


NOT USED
D,E,F,H,I, & Q-Z

	A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
10AMP	1.501 1.484	1.385 1.376	.753 .747	.866 .854	.214 .211	.277 .274	1.329 1.314	.260 .240	.604 .584	.244 .146	.318 .240
20AMP	1.756 1.739	1.635 1.627	.753 .747	1.094 1.062	.246 .244	.292 .290	1.578 1.565	.260 .240	.760 .740	.286 .208	.411 .333

SM563

Figure C5.43

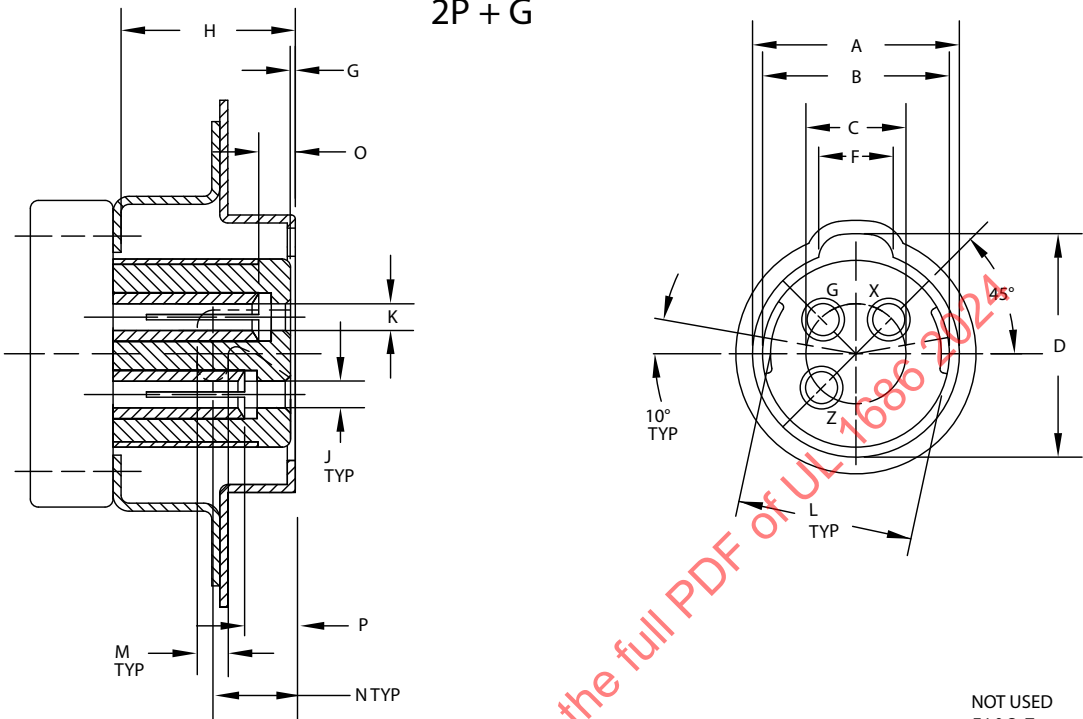


NOT USED O-Z														
	A [Ø]	B [Ø]	C [Ø]	D	E	F [Ø]	G	H	I	J [Ø]	K [Ø]	L	M [Ø]	N
10AMP	1.511	1.405	.753	1.593	.260	.250	.875	1.238	.209	.218	.281	1.358	.220	.197
	1.496	1.402	.747	1.573	.240	.245	.825	1.198	.113	.216	.279	1.350	.140	.177
20AMP	1.785	1.655	.878	1.860	.260	.291	1.082	1.510	.147	.250	.296	1.603	.220	.250
	1.768	1.650	.872	1.838	.240	.271	.998	1.490	.063	.248	.294	1.592	.140	.248

SM562

Figure C5.44

RECEPTACLE
2P + G

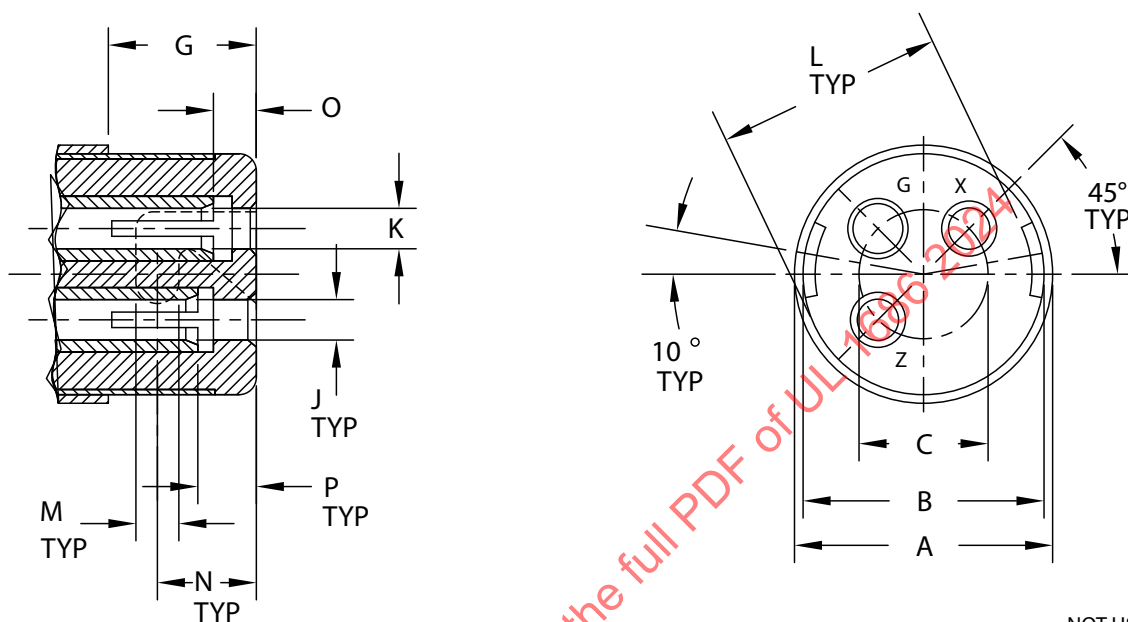


NOT USED
E,I,&Q-Z

	A [Ø]	B [Ø]	C [Ø]	D	F	G	H	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
30AMP	1.815	1.635	.878	1.959	.686	.083	1.388	.246	.308	1.578	.260	1.160	.566	.691
	1.809	1.627	.872	1.947	.626	.043	1.362	.244	.306	1.565	.240	1.105	.466	.591

SM561A

Figure C5.45

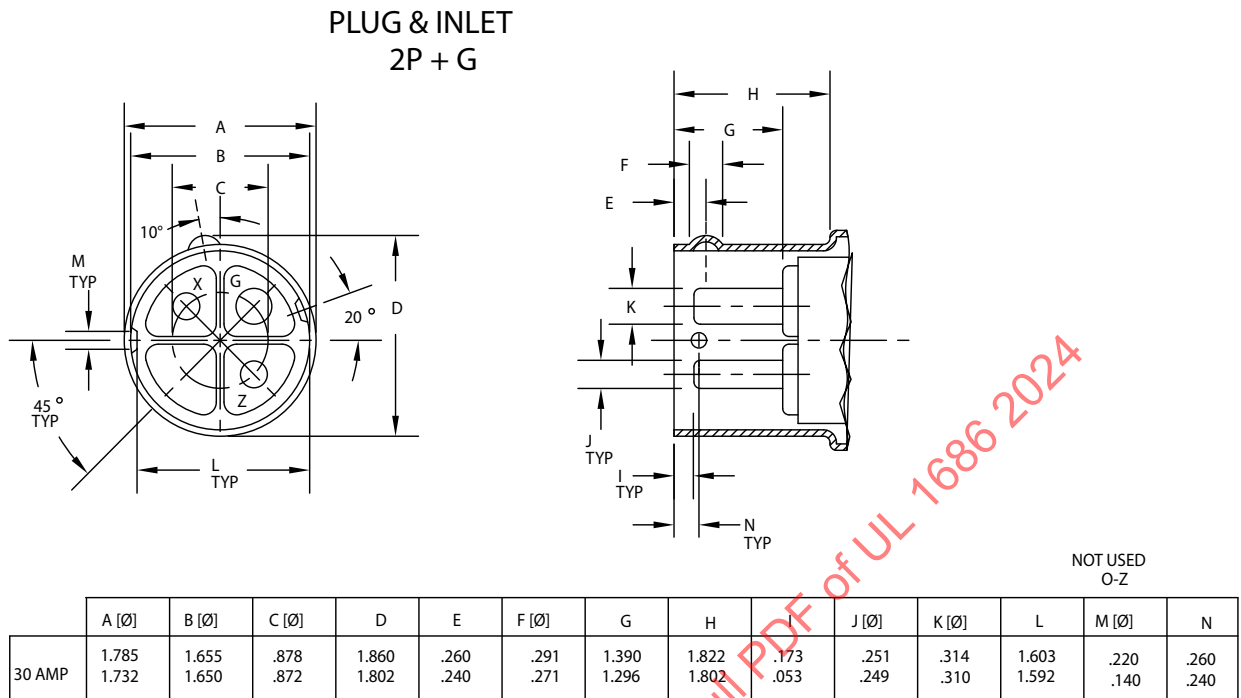
CONNECTOR
2P + G

NOT USED
D,E,F,H,I, & Q-Z

	A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
30AMP	1.756	1.635	.878	1.406	.246	.308	1.578	.246	1.077	.523	.648
	1.739	1.627	.872	1.374	.244	.306	1.565	.226	1.062	.477	.602

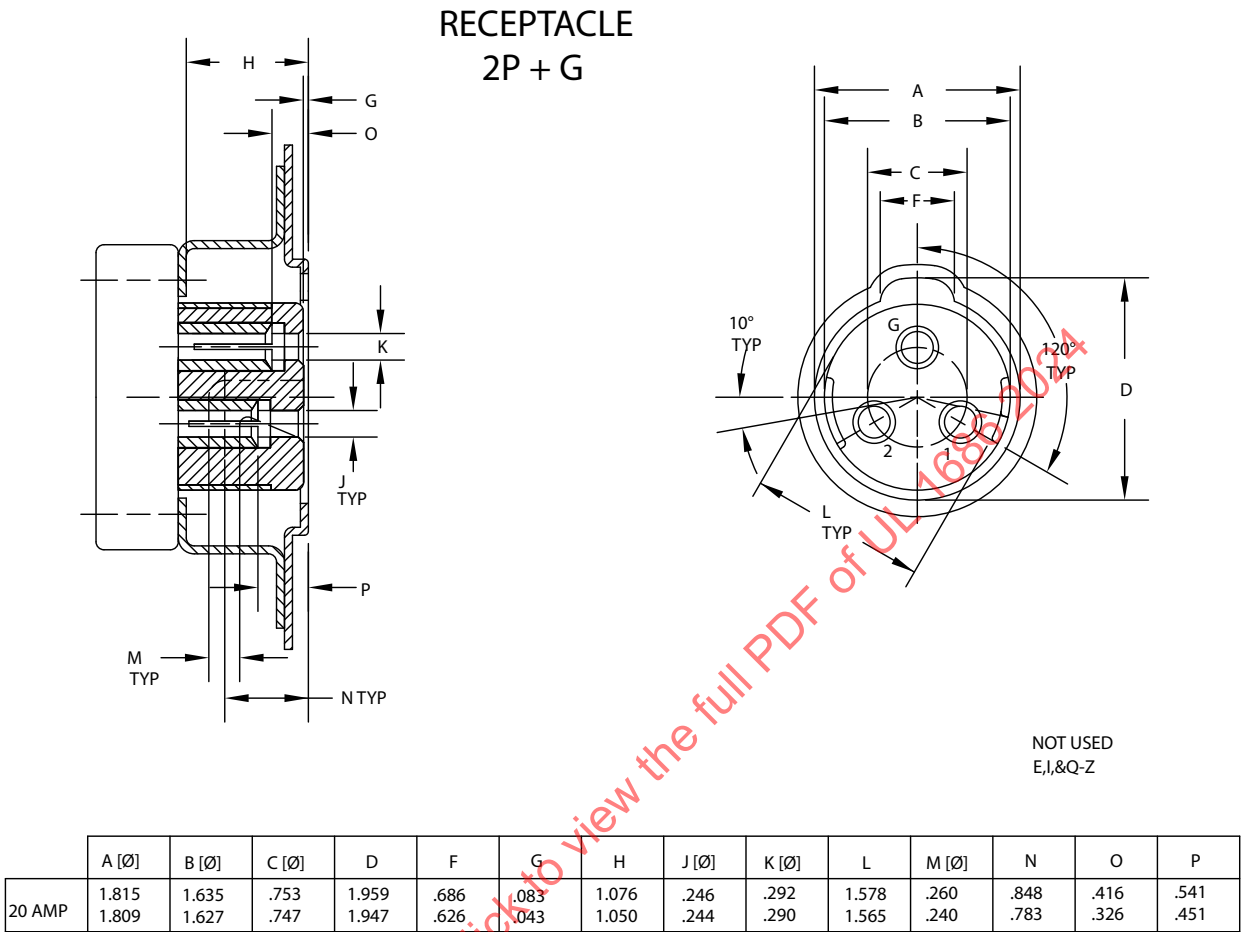
SM560

Figure C5.46



SM559

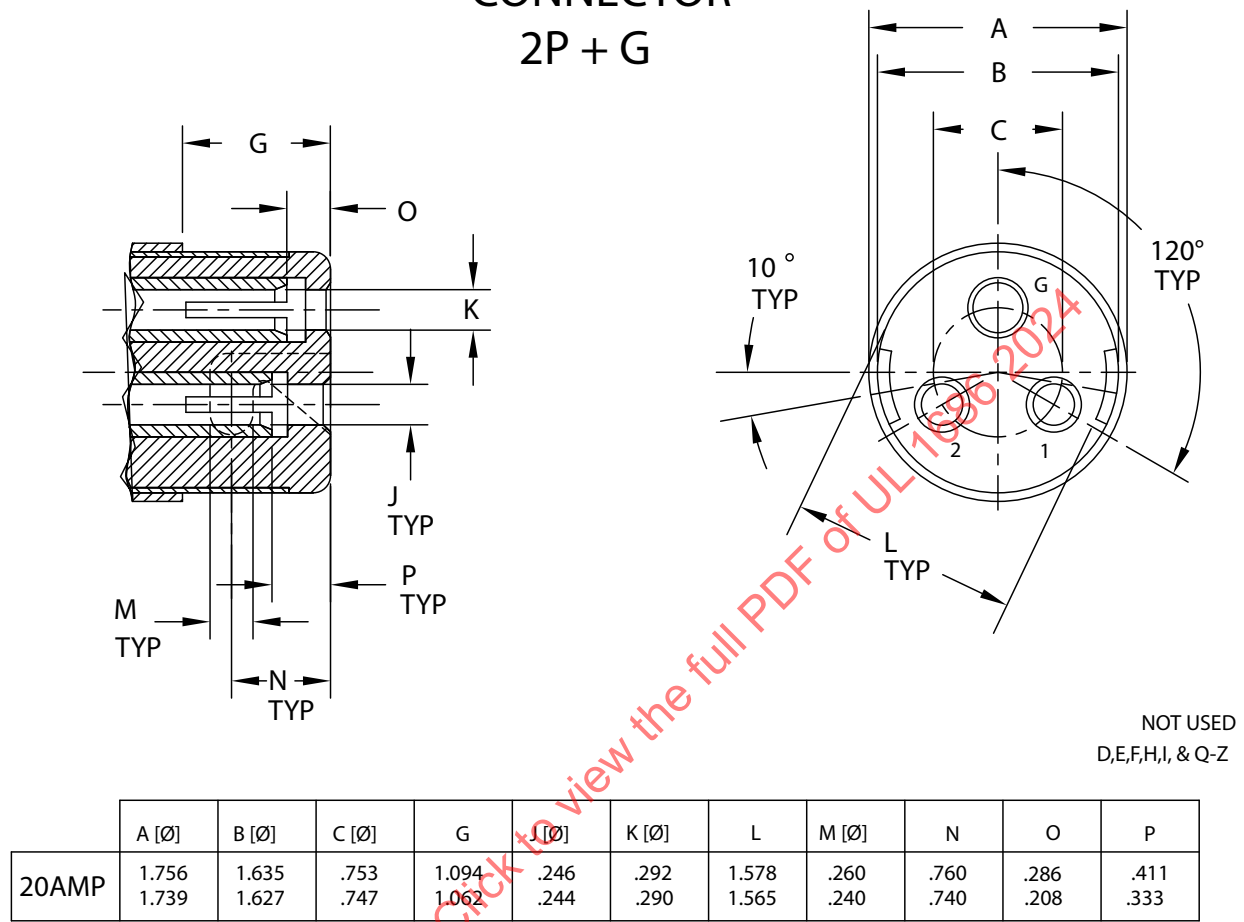
Figure C5.47



SM558A

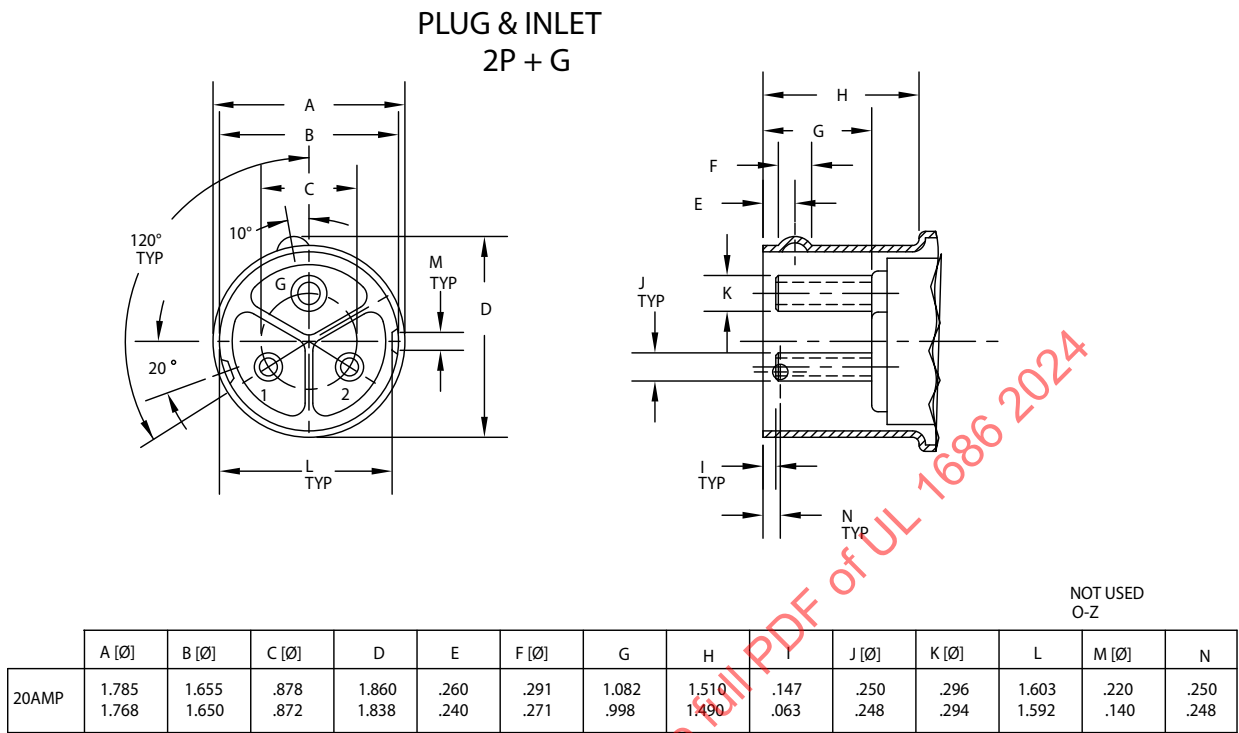
Figure C5.48

CONNECTOR
2P + G



SM557

Figure C5.49

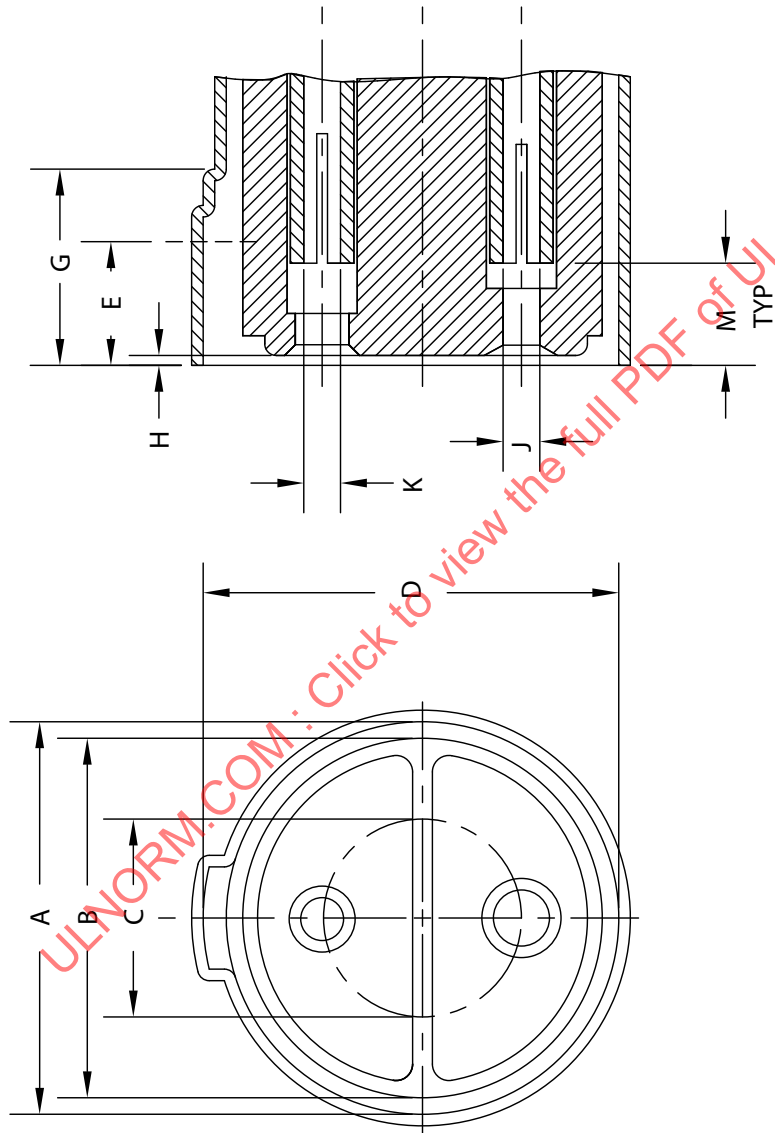


SM556

Figure C5.50
Receptacle and Connector

RECEPTACLE & CONNECTOR

2P

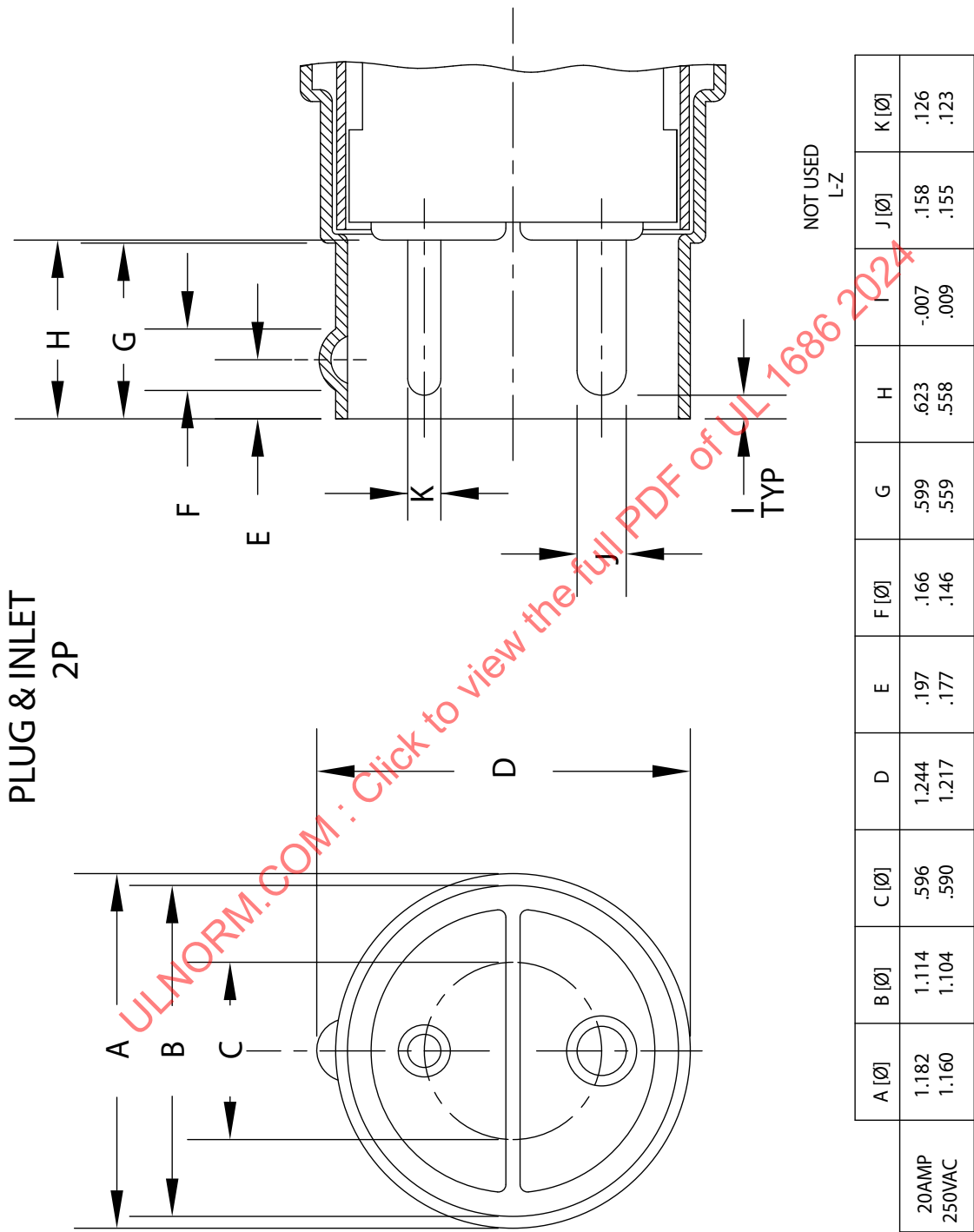


NOT USED
F, I, L, & N-Z

	A [Ø]	B [Ø]	C [Ø]	D	E	G	H	J [Ø]	K [Ø]	M	
20AMP	1.195	1.090	.596	1.260	.392	.568	.046	.153	.121	.323	
250VAC	1.185	1.084	.590	1.247	.357	.549	.007	.150	.118	.268	

SM543

Figure C5.51
Plug and Inlet

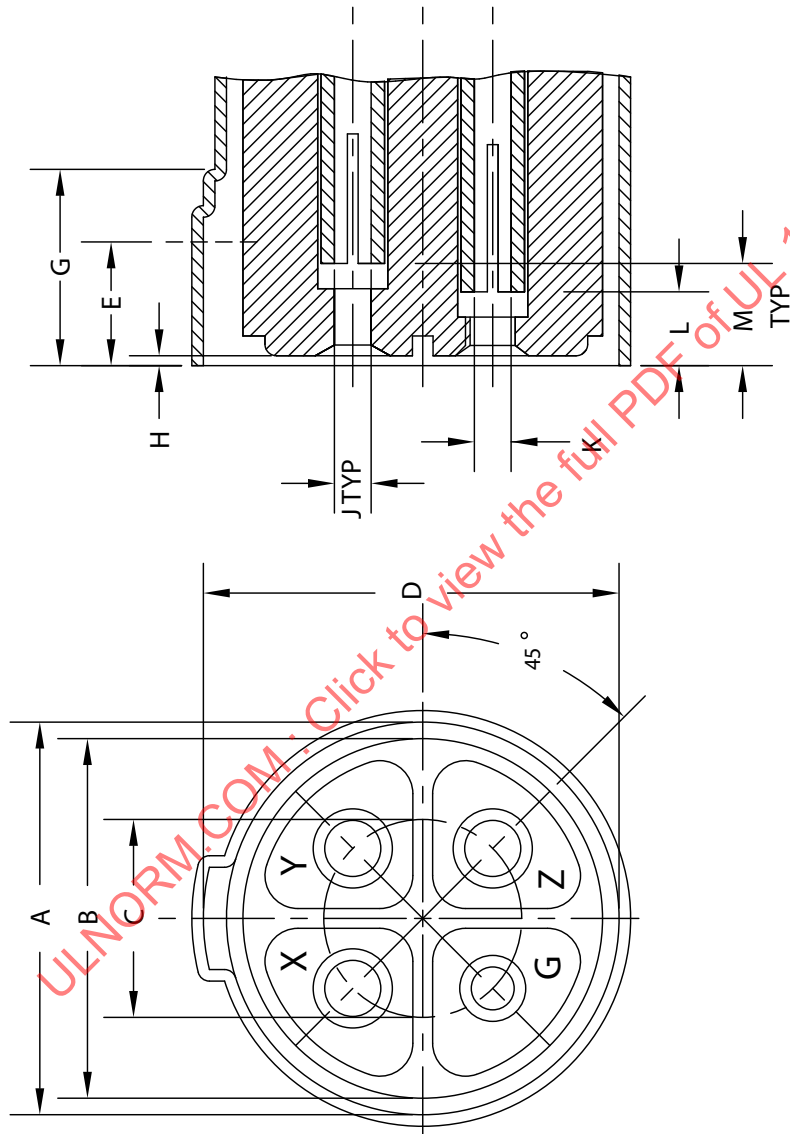


SM542

Figure C5.52
Receptacle and Connector

RECEPTACLE & CONNECTOR

3P + G

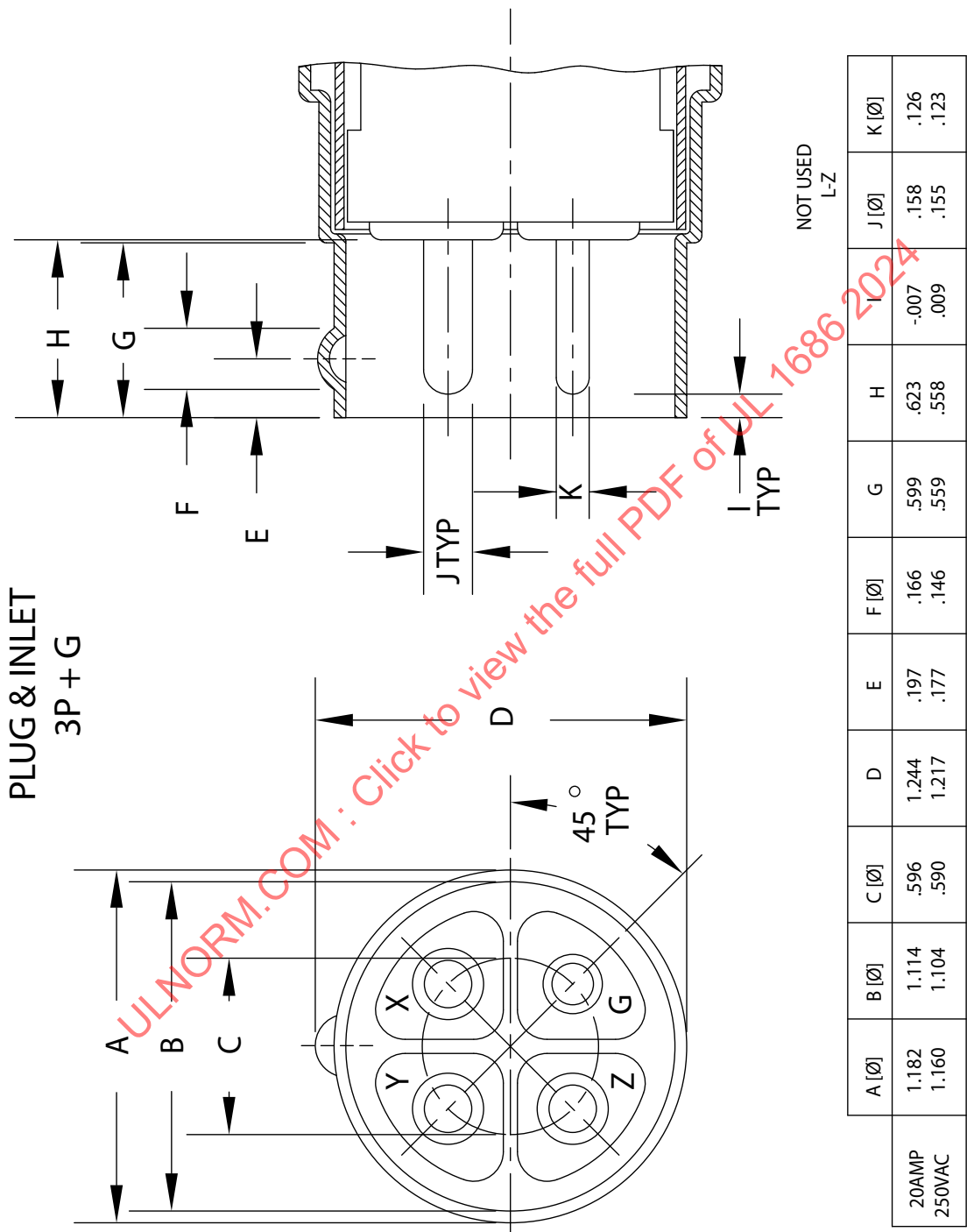


NOT USED
F, I, & N-Z

	A [Ø]	B [Ø]	C [Ø]	D	E	G	H	J [Ø]	K [Ø]	L	M
20AMP	1.195	1.090	.596	1.260	.392	.568	.046	.153	.121	.260	.323
250VAC	1.185	1.084	.590	1.247	.357	.549	.007	.150	.118	.193	.268

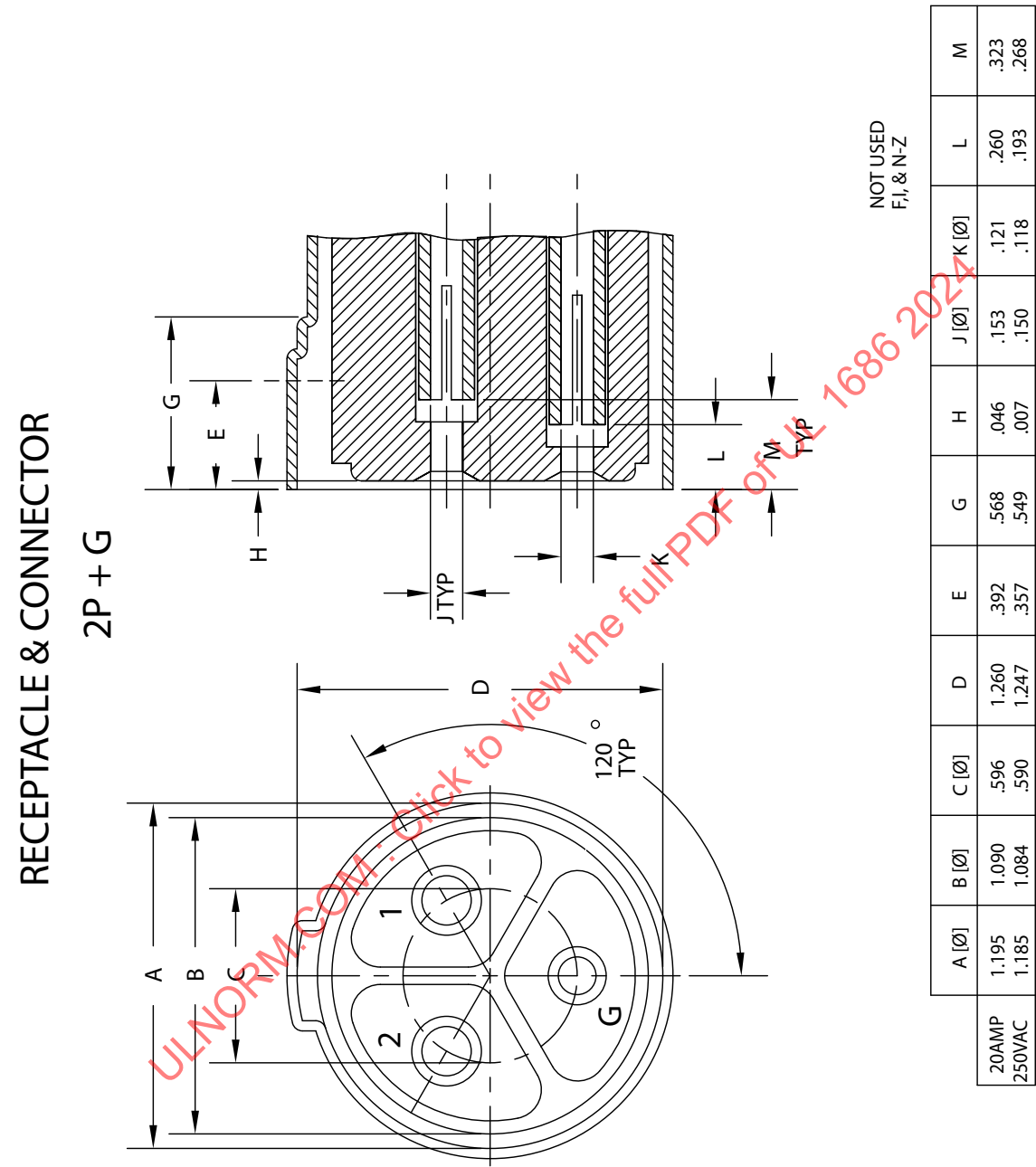
SM547

Figure C5.53
Plug and Inlet



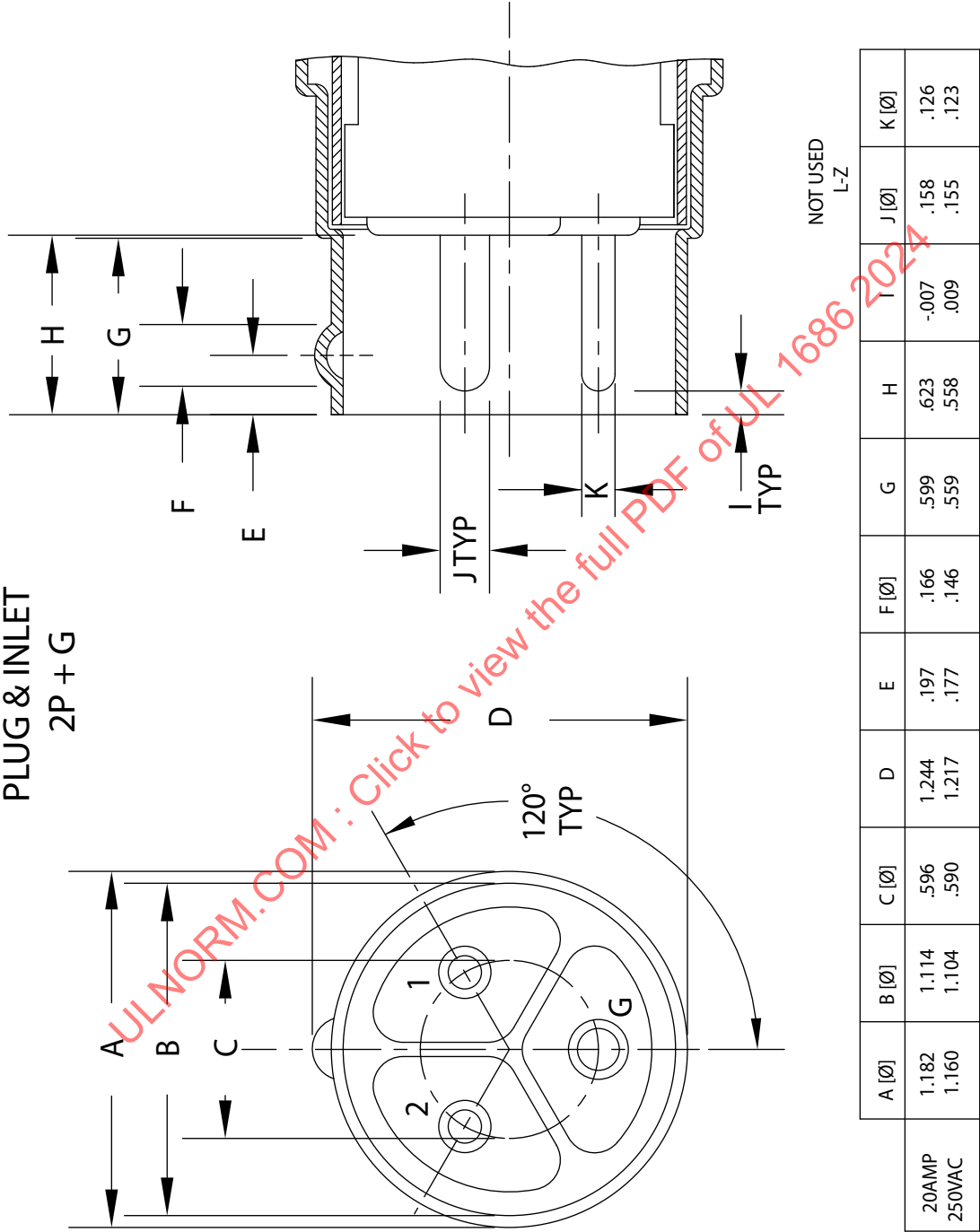
SM546

Figure C5.54
Receptacle and Connector



SM545

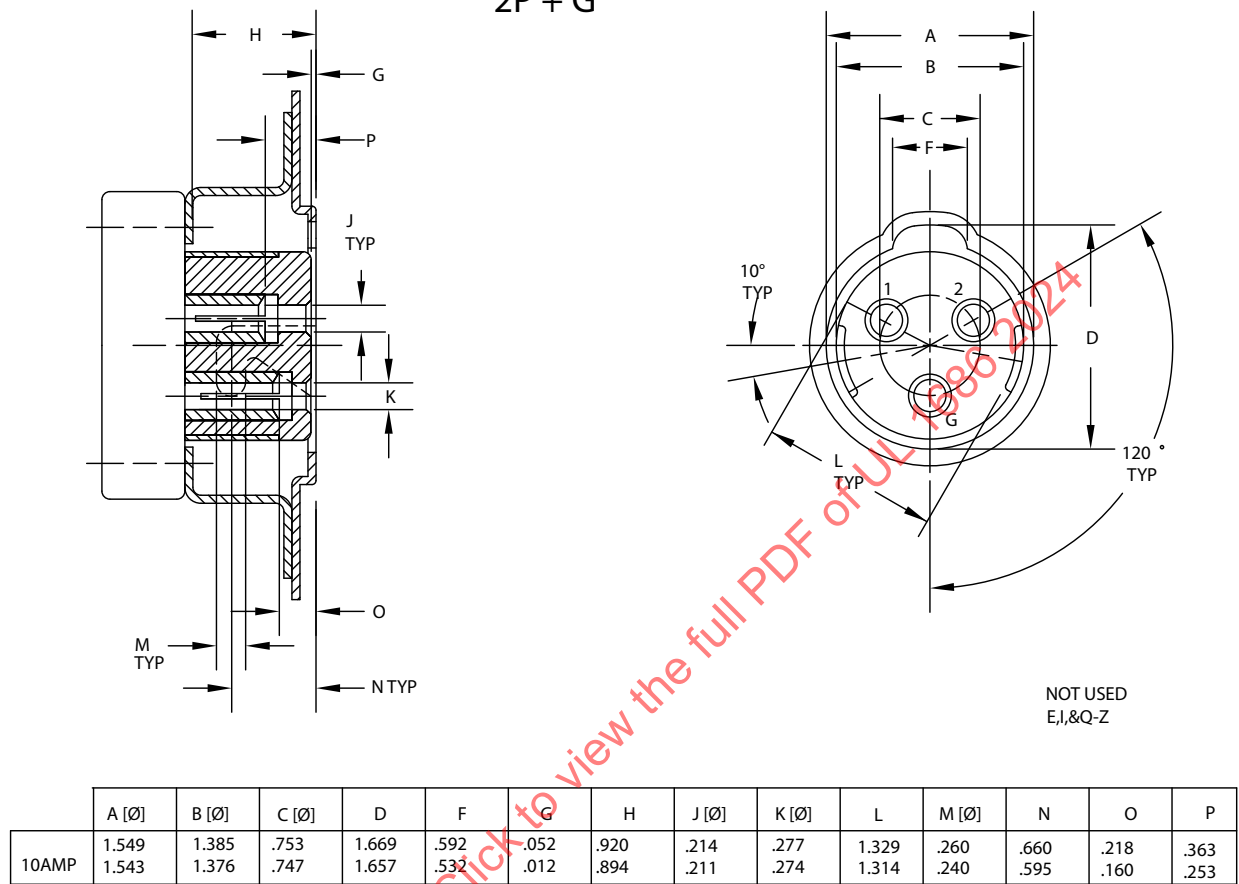
Figure C5.55
Plug and Inlet



SM544

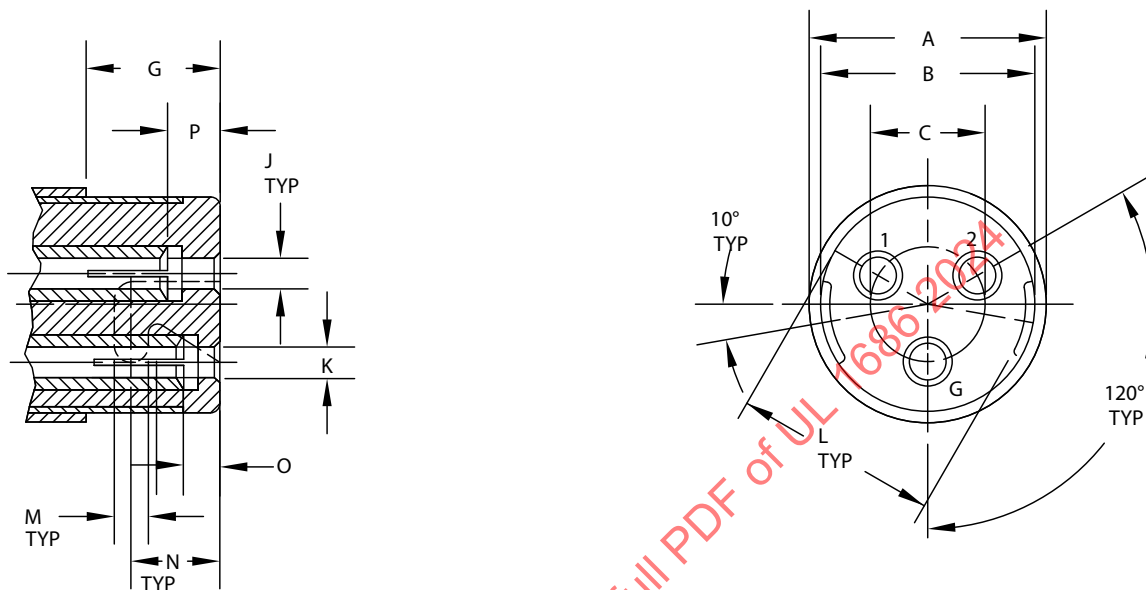
Figure C5.56

RECEPTACLE
2P + G



SM555A

Figure C5.57

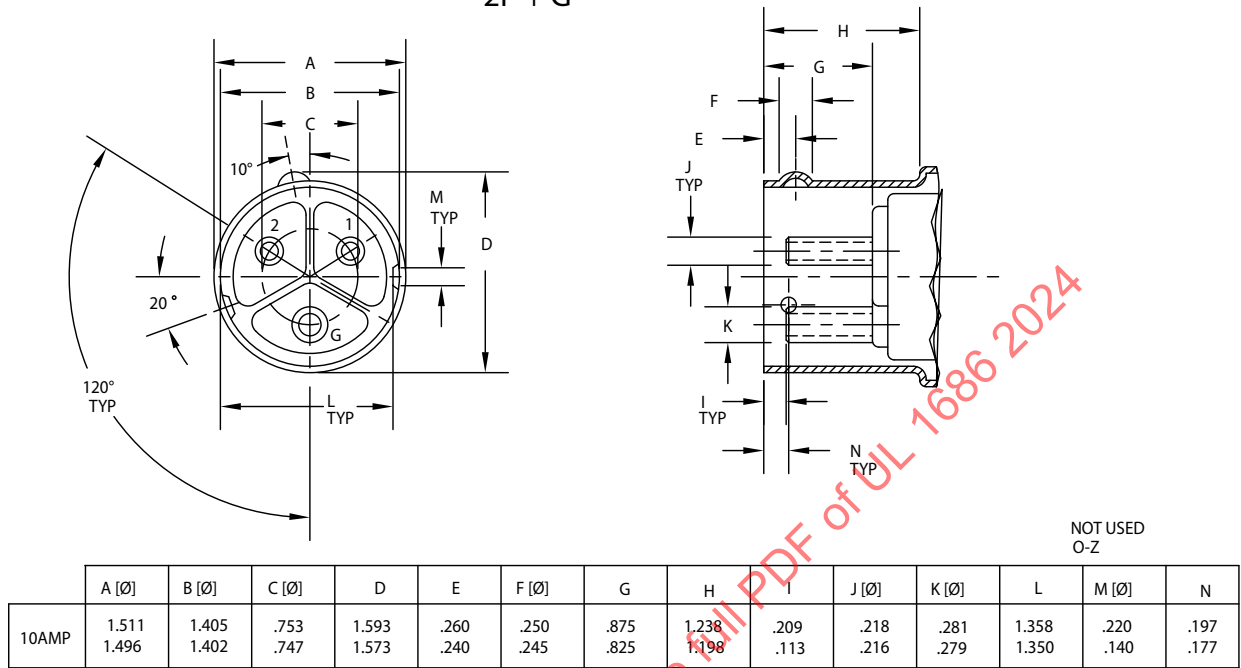
CONNECTOR
2P + GNOT USED
D,E,F,H,I,&Q-Z

	A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	K [Ø]	L	M [Ø]	N	O	P
10 AMP	1.501 1.484	1.385 1.376	.753 .747	.866 .854	.214 .211	.277 .274	1.329 1.314	.260 .240	.604 .584	.224 .146	.318 .240

SM554

Figure C5.58

PLUG & INLET
2P + G

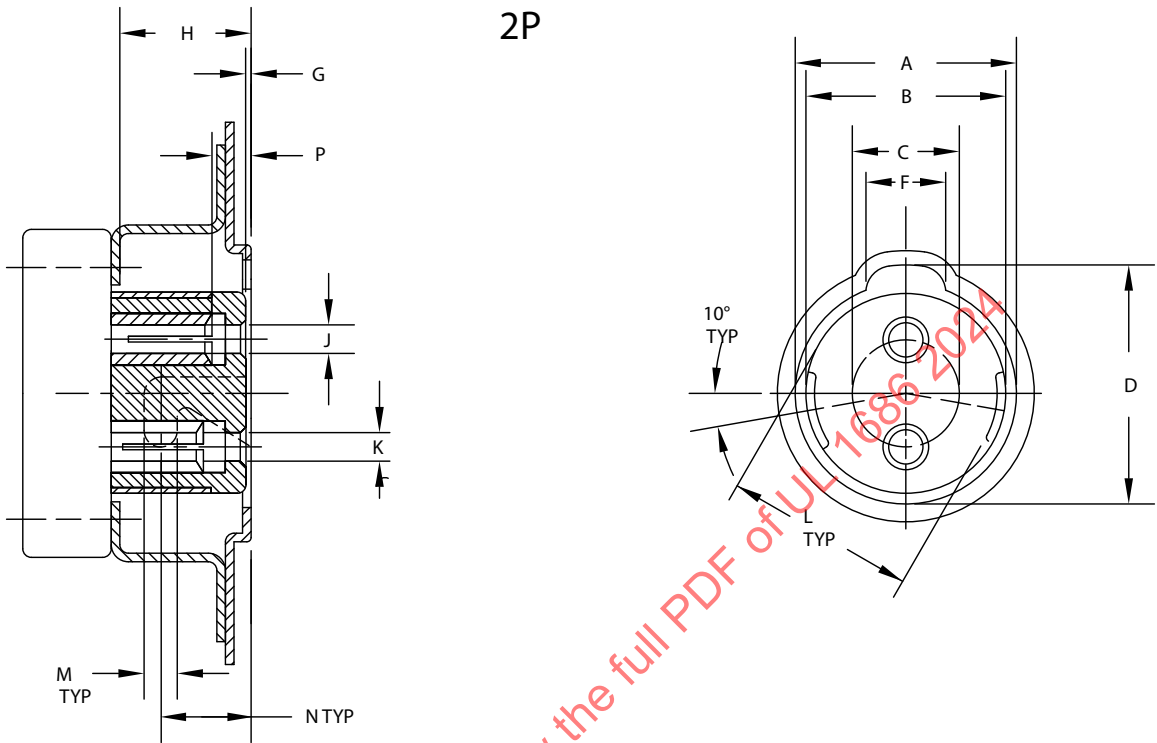


SM553

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Figure C5.59

RECEPTACLE
2P



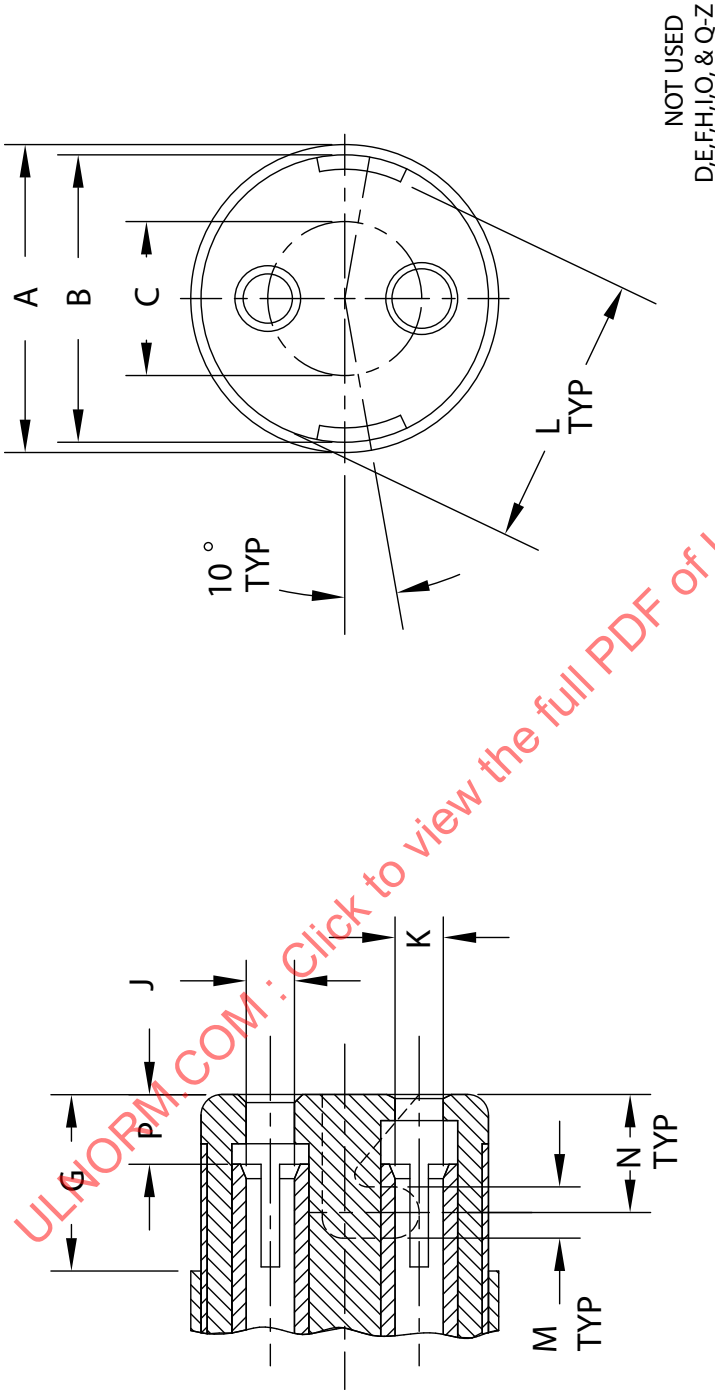
NOT USED
E, I, O & Q-Z

	A [Ø]	B [Ø]	C [Ø]	D	F	G	H	J [Ø]	K [Ø]	L	M [Ø]	N	P
10 AMP	1.549	1.385	.659	1.669	.592	.052	.920	.214	.277	1.329	.260	.660	.353
	1.543	1.376	.653	1.657	.532	.012	.894	.211	.274	1.314	.240	.595	.263
20 AMP	1.815	1.635	.753	1.959	.686	.083	1.076	.246	.292	1.578	.260	.848	.477
	1.809	1.627	.747	1.947	.626	.043	1.050	.244	.290	1.565	.240	.783	.427

SM552

Figure C5.60

CONNECTOR
2P



	A [Ø]	B [Ø]	C [Ø]	G	J [Ø]	K [Ø]	L	M [Ø]	N	P
10AMP	1.501 1.484	1.385 1.376	.659 .653	.866 .854	.214 .211	.277 .274	1.329 1.314	.260 .240	.604 .584	.318 .240
20AMP	1.756 1.739	1.635 1.627	.753 .747	1.094 1.062	.246 .244	.292 .290	1.578 1.565	.260 .240	.760 .740	.411 .333

SM551

Figure C5.61

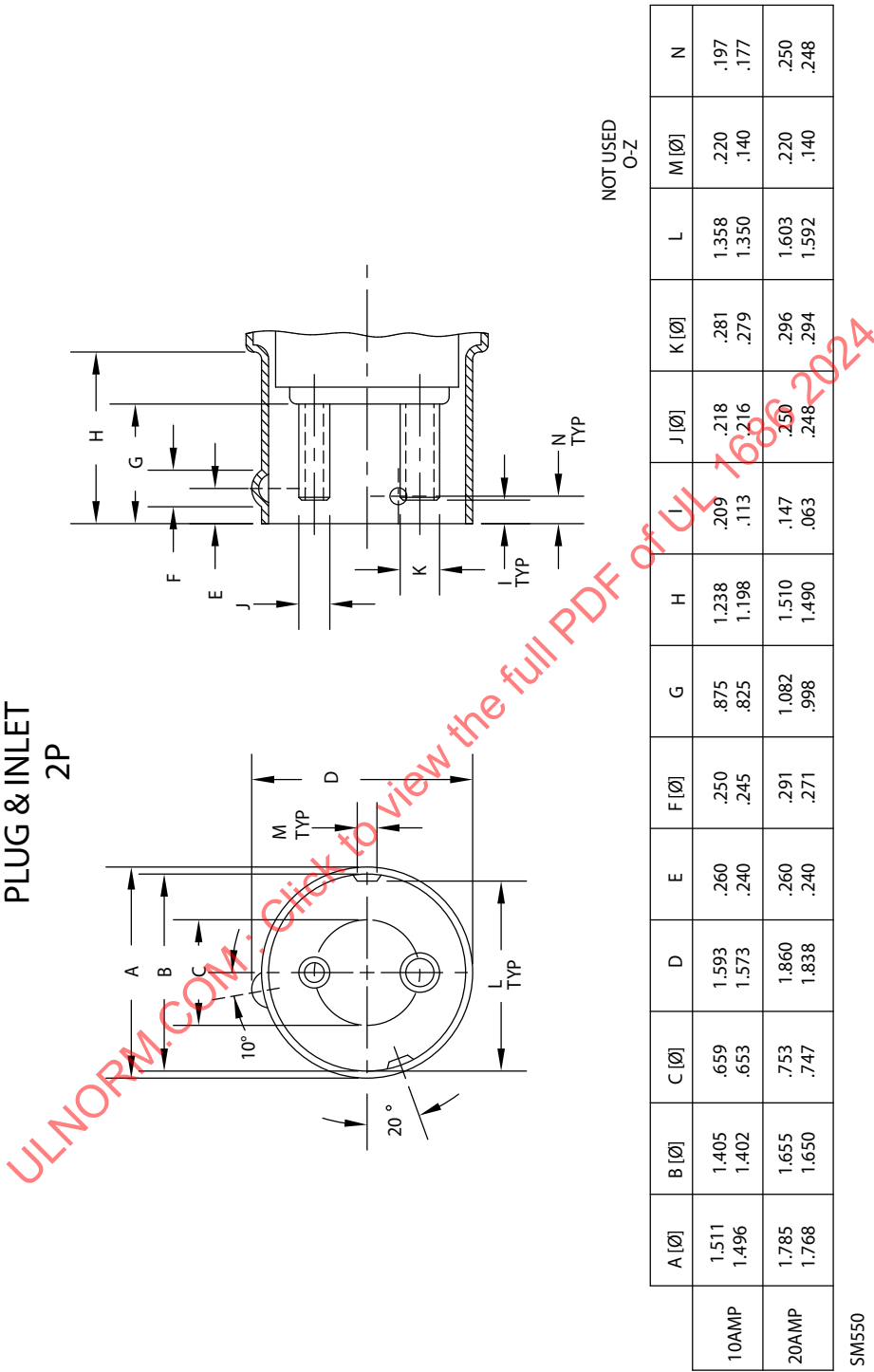
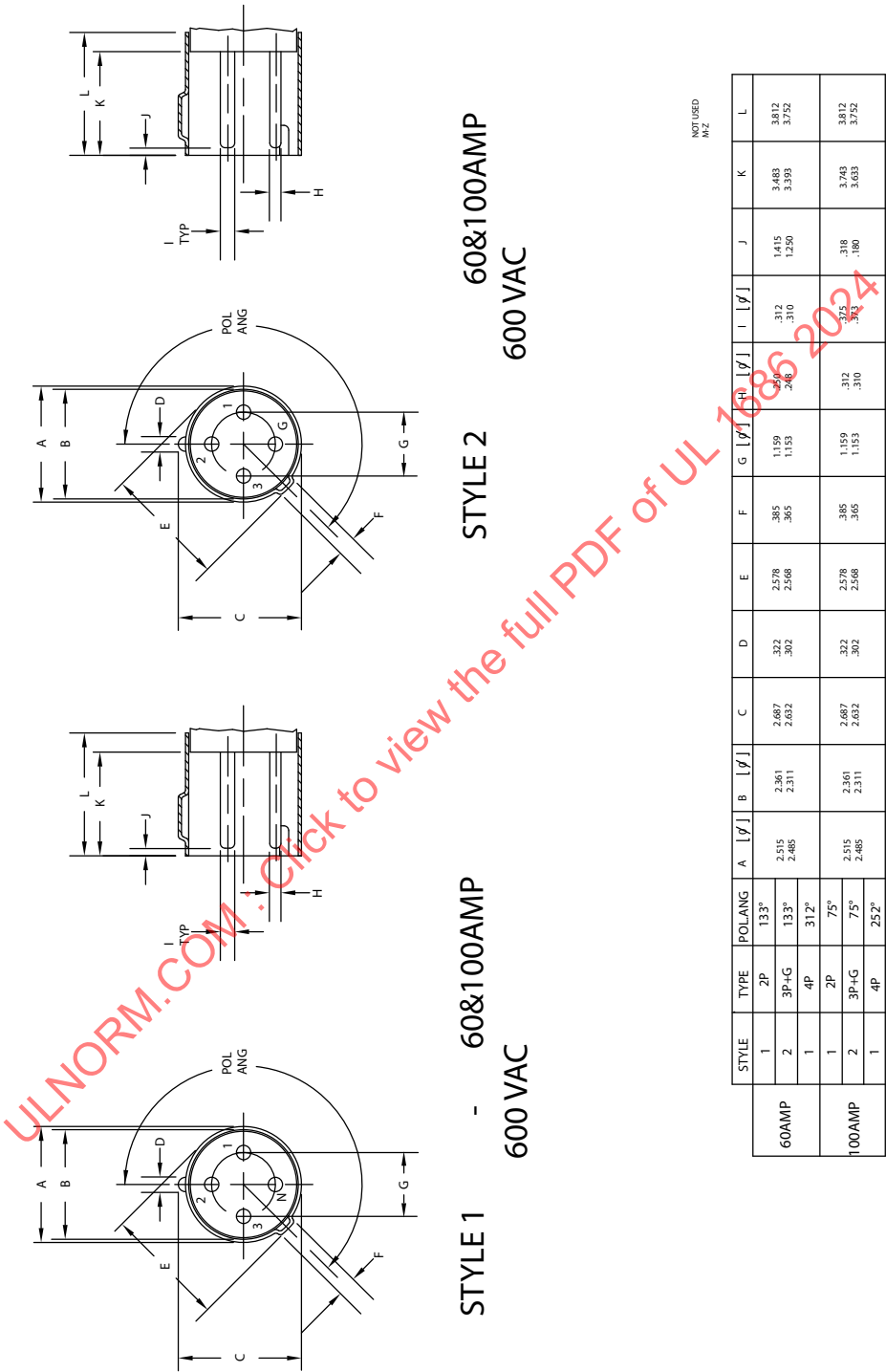


Figure C5.63
Plug and Inlet

PLUG & INLET



SM540

Figure C5.64
Receptacle and Connector

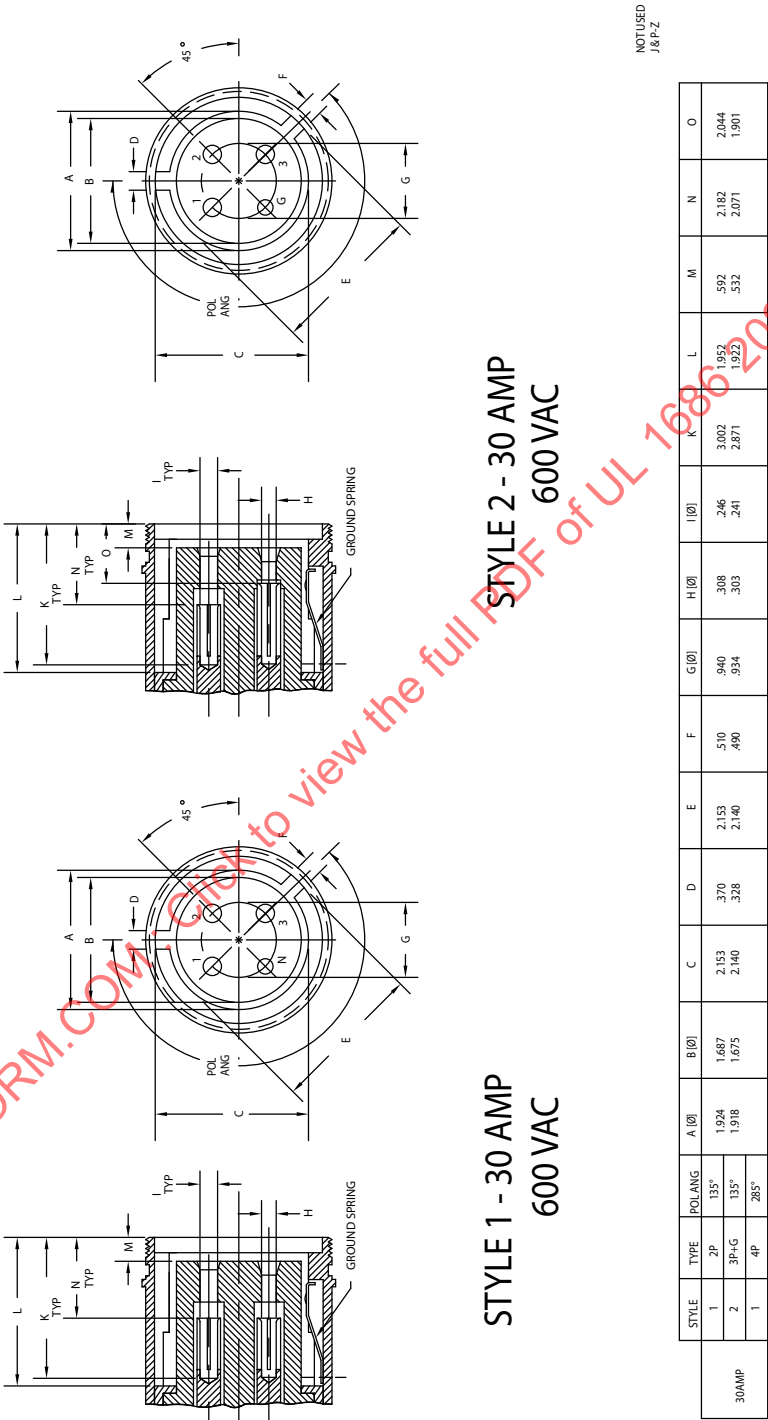
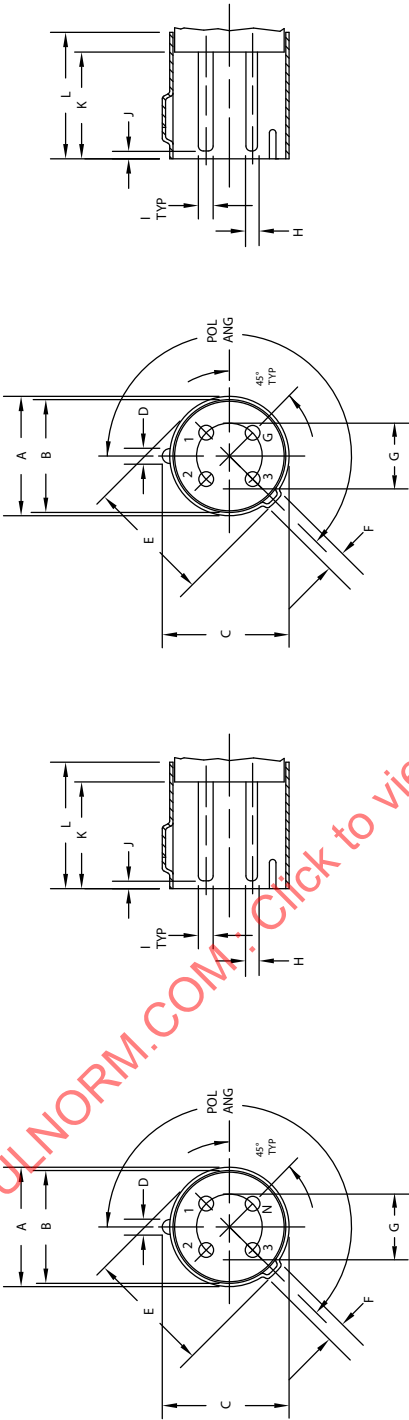


Figure C5.65
Plug and Inlet

PLUG & INLET



STYLE 1 - 30 AMP
600 VAC

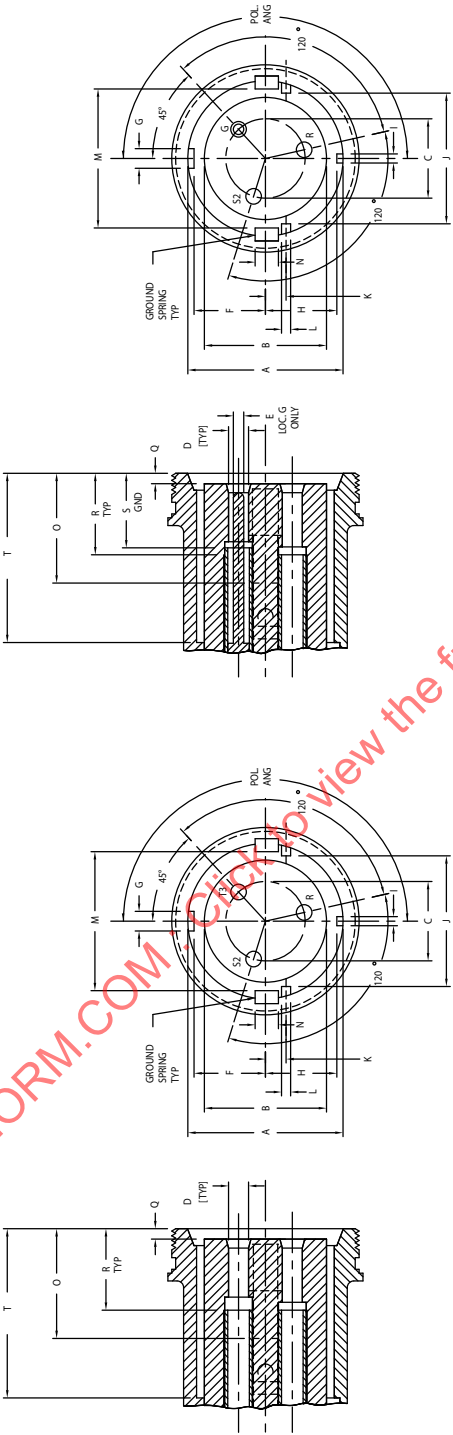
STYLE 2 - 30 AMP
600 VAC

STYLE	TYPE	POL. ANG	A		B		C		D		E		F		G		H		I		J		K		L		
			[°]		[°]		[°]		[°]		[°]		[°]		[°]		[°]		[°]		[°]		[°]		[°]		
30AMP	1	2P	135°	1.884	1.766	2.020	.353	1.963	.322	.940	.312	.250	.110	2.459	.000	.2795											
	2	3W+G	135°	1.866	1.728	2.005	.333	1.943	.302	.934	.316	.248		2.291		2.735											
	1	4P	285°																								

SM538

Figure C5.66
Receptacle and Connector

RECEPTACLE & CONNECTOR



STYLE 1 - 30, 45, 60, & 100AMP

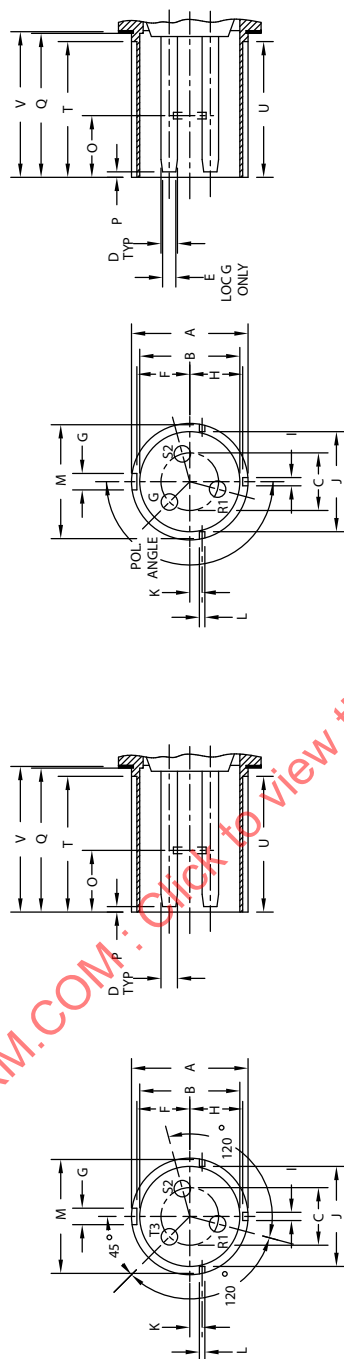
STYLE 2 - 30, 45, 60, & 100AMP

STYLE	TYPE	POL	ANG	A [Ø]	B [Ø]	C [Ø]	D [Ø]	E [Ø]	F	G	H	I	J	K	L	M	N	O	Q	R	S	T
30AMP	2	2P+G	180°	2.114	1.690	940	245	1350/120	958	307	NA	NA	1.718	275	.135	1.970	322	1.066	270	.873	.613/511	3.203
	1	3P	160°	2.104	1.684	934	239	NA	946	302	NA	1.687	265	.095	1.930	302	.981	.981	230	.751	NA	2.172
45AMP	2	2P+G	145°	2.114	1.690	940	245	1350/120	958	307	NA	NA	1.718	275	.135	1.970	322	1.066	270	.873	.613/511	3.203
	1	3P	NA	2.104	1.684	934	239	NA	946	302	NA	1.687	265	.095	1.930	302	.981	.981	230	.751	NA	2.172
60AMP	2	2P+G	180°	2.645	2.072	1.159	307	155/145	1.195	360	1.218	238	NA	NA	NA	2.710	.385	2.372	227	1.517	1.358	3.265
	1	3P	160°	2.588	2.052	1.153	301	NA	1.184	356	1.195	193	NA	NA	NA	2.660	.365	2.316	147	1.358	NA	3.235
100AMP	2	2P+G	180°	2.895	2.360	1.315	370	221/211	1.333	370	1.333	192	NA	NA	NA	2.860	.385	2.258	227	1.908	1.658/1370	3.765
	1	3P	160°	2.835	2.350	1.309	364	NA	1.307	325	1.307	151	NA	NA	NA	2.590	.365	2.178	147	1.620	NA	3.735

NOT USED
P & UZ

SMS26

Figure C5.67
Plug and Inlet



STYLE 2 - 30, 45, 60 & 100 AMP

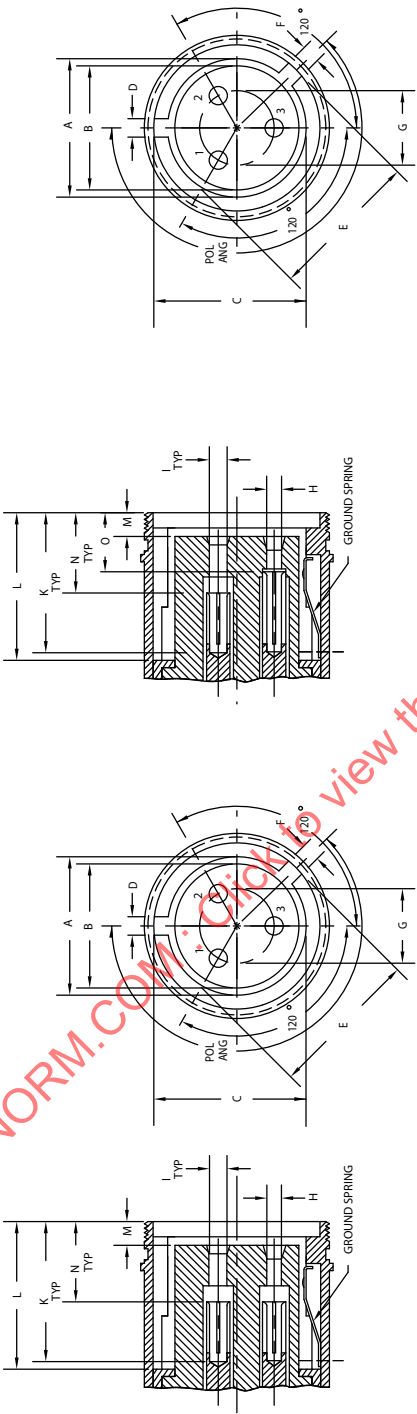
STYLE 1 - 30,45,60 & 100 AMP

	STYLE	TYPE	POL-ANG	A [°]	B [°]	C [°]	D [°]	E [°]	F	G	H	I	J	K	L	M	O	P	Q	T	U	V
30AMP	2	2P+G	180°	2.114	1.723	940	250	156	.945	.315	NA	NA	1.687	.262	.170	1.978	1.129	.226	2.035	1.765	NA	2.134
	1	3P	160°	2.104	1.733	934	248	148	.939	.309	NA	NA	1.670	.262	.160	1.918	1.059	.089	1.857	1.735	NA	2.074
	2	2P+G	145°	2.114	1.723	940	250	156	.945	.315	NA	NA	1.687	.282	.170	1.978	1.129	.226	2.035	1.765	NA	2.134
45AMP	1	3P	NA	2.104	1.733	934	248	148	.939	.309	NA	NA	1.670	.262	.160	1.918	1.059	.089	1.857	1.735	NA	2.074
	2	2P+G	180°	2.577	2.186	1.159	312	177	1.192	.380	1.192	.255	NA	NA	NA	2.482	1.504	.250	3.087	2.827	3.114	3.207
	1	3P	160°	2.547	2.120	1.153	310	174	1.182	.370	1.182	.245	NA	NA	NA	2.392	1.434	.000	3.037	2.797	3.104	3.137
100AMP	2	2P+G	180°	2.817	2.436	2.322	374	246	1.301	.411	1.301	.205	NA	NA	NA	2.672	1.504	.172	3.587	3.327	3.452	3.707
	1	3P	160°	2.807	2.368	2.302	372	244	1.291	.401	1.291	.195	NA	NA	NA	2.652	1.434	.036	3.537	3.297	3.422	3.637

NOT USED
N, R, & S

SM525

Figure C5.68
Receptacle and Connector



NOT USED
J&P-Z

STYLE 1 - 30, 60, & 100 AMP
480 VAC

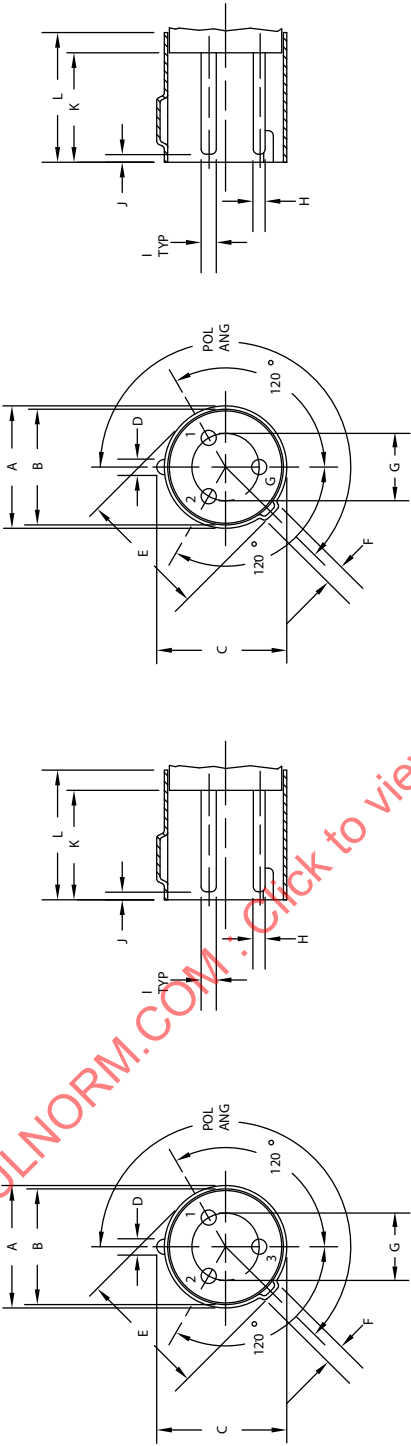
STYLE 2 - 30, 60, & 100 AMP
480 VAC

STYLE	TYPE	POL. ANG.	A [Ø]	B [Ø]	C	D	E	F	G [Ø]	H [Ø]	I [Ø]	L	M	N	O
30AMP	2P+G	20°	2.213	1.687	2.082	.370	2.014	.380	.760	.308	.246	1.952	.602	1.199	1.047
	3P	90°	2.255	1.675	2.062	.328	1.984	.355	.754	.303	.241	1.863	.522	1.063	.911
60AMP	2P+G	22°	2.570	2.290	2.580	.370	2.636	.515	1.159	.346	.308	2.556	.605	1.408	1.146
	3P	45°	2.525	2.210	2.525	.328	2.603	.485	1.153	.241	.303	2.421	.345	1.344	.994
100AMP	2P+G	28°	2.590	2.135	2.792	.366	2.653	.500	1.159	.308	.371	4.016	.540	2.988	2.466
	3P	105°	2.540	2.000	2.755	.330	2.603	.500	1.153	.303	.366	4.985	.460	2.822	2.316

SM531

Figure C5.69
Plug and Inlet

PLUG & INLET



STYLE 1 - 30 ,60&100AMP
480 VAC

STYLE 2 - 30 ,60&100AMP
480 VAC

STYLE		TYPE	POL ANG	A	B	C	D	E	F	G	H	I	J	K	L
30AMP	2	2P+G	230°	1.884	1.766	2.020	.353	1.093	.322	.878	.312	.250	.140	1.489	1.795
	1	3P	90°	1.866	1.728	2.005	.333	1.043	.302	.872	.310	.248	.011	1.291	1.735
60AMP	2	2P+G	223°	2.515	2.361	2.687	.350	2.588	.390	1.159	.250	.312	.165	2.231	2.560
	1	3P	45°	2.485	2.311	2.632	.330	2.568	.370	1.153	.248	.310	.000	2.141	2.500
100AMP	2	2P+G	282°	2.515	2.361	2.687	.322	2.578	.385	1.159	.312	.275	.318	3.743	3.812
	1	3P	105°	2.485	2.311	2.632	.302	2.568	.365	1.153	.310	.273	.180	3.633	3.752

NOT USED
IN 2

SM530

Figure C5.70
Receptacle and Connector

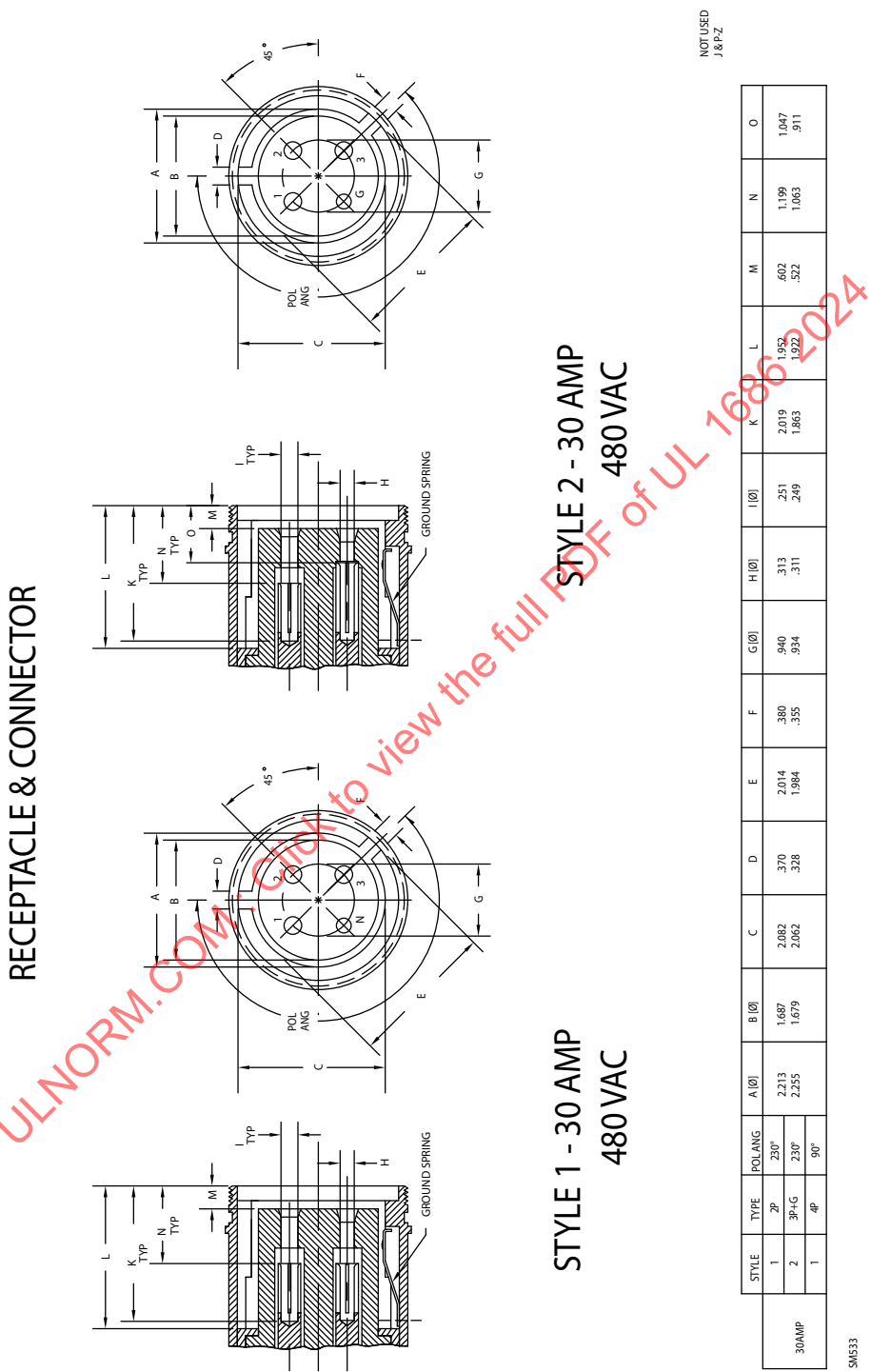
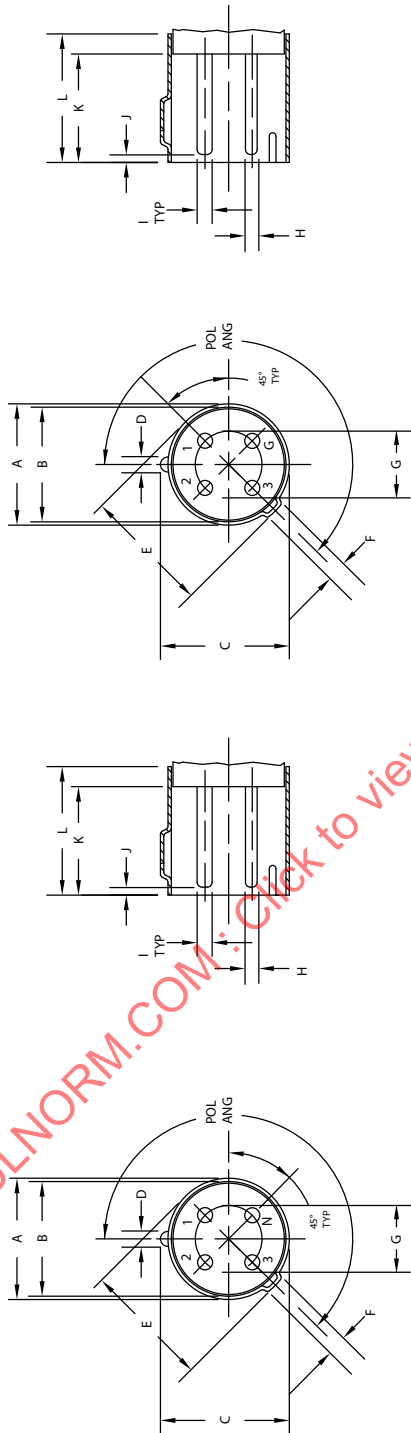


Figure C5.71
Plug and Inlet

PLUG & INLET



STYLE 1 - 30 AMP
480 VAC

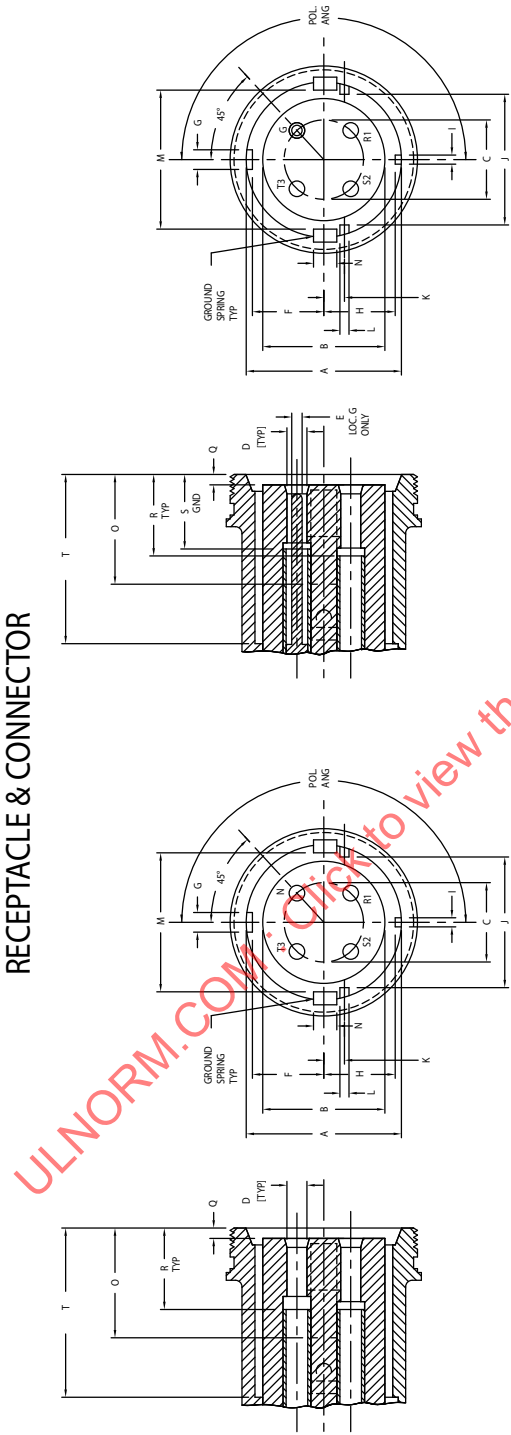
STYLE 2 - 30 AMP
480 VAC

NOT USED
IN-2

30AMP	STYLE	TYPE	POLANG	A	[φ]	B	[φ]	C	D	E	F	G	[φ]	H	[φ]	I	[φ]	J	K	L
	1	2P	230°	1.884	1.766	2.020	.353	1.963	.322	.940	.312	.250	.140	1.459	1.795					
	2	3P+G	230°	1.866	1.728	2.005	.333	1.943	.302	.934	.310	.248	.011	1.291	1.735					
	1	4P	90°																	

SM532

Figure C5.72
Receptacle and Connector



STYLE 2 - 30, 45, 60, & 100AMP

STYLE 1 - 30, 45, 60, & 100AMP

		NOT USED P&U-Z																					
		STYLE	TYPE	POL/ANG	A [Ø]	B [Ø]	C [Ø]	D [Ø]	E [Ø]	F	G	H	I	J	K	L	M	N	O	Q	R	S	T
30AMP	1	2P	200°	2.114	1.690	9.40	2.45	NA	.958	.307	NA	NA	1.718	.275	.135	1.970	.322	1.866	.270	.873	NA	2.202	
	2	3P-G	180°	2.104	1.684	.934	.239	NA	.946	.302	NA	NA	1.687	.265	.095	1.950	.302	.981	.230	.751	.613/1.11	2.172	
	1	4P	160°						NA														
	1	2P	NA	2.114	1.690	9.40	2.45	NA	.958	.307	NA	NA	1.718	.275	.135	1.970	.322	1.866	.270	.873	NA	2.202	
45AMP	2	3P-G	145°	2.104	1.684	.934	.239	NA	.130/1.20	.946	.302	NA	NA	1.687	.265	.095	1.950	.302	.981	.230	.751	.613/1.11	2.172
	1	4P	NA						NA														
	1	2P	200°	2.645	2.072	1.159	.307	NA	1.195	.360	1.218	.238	NA	NA	NA	2.400	.385	2.372	.227	1.517	1.257/1.18	3.265	
	2	3P-G	180°	2.588	2.052	1.153	.301	.155/1.45	1.184	.356	1.195	.193	NA	NA	NA	2.349	.365	2.316	.147	1.358	NA	3.235	
100AMP	1	4P	160°						NA														
	1	2P	200°	2.865	2.360	1.315	.370	NA	1.333	.370	1.333	.192	NA	NA	NA	2.660	.388	2.258	.227	1.908	1.658/1.370	3.765	
	2	3P-G	180°	2.835	2.350	1.309	.364	.221/2.11	1.307	.325	1.307	.151	NA	NA	NA	2.590	.365	2.178	.147	1.620	NA	3.735	
	1	4P	160°						NA														

SM528A

Figure C5.73
Plug and Inlet

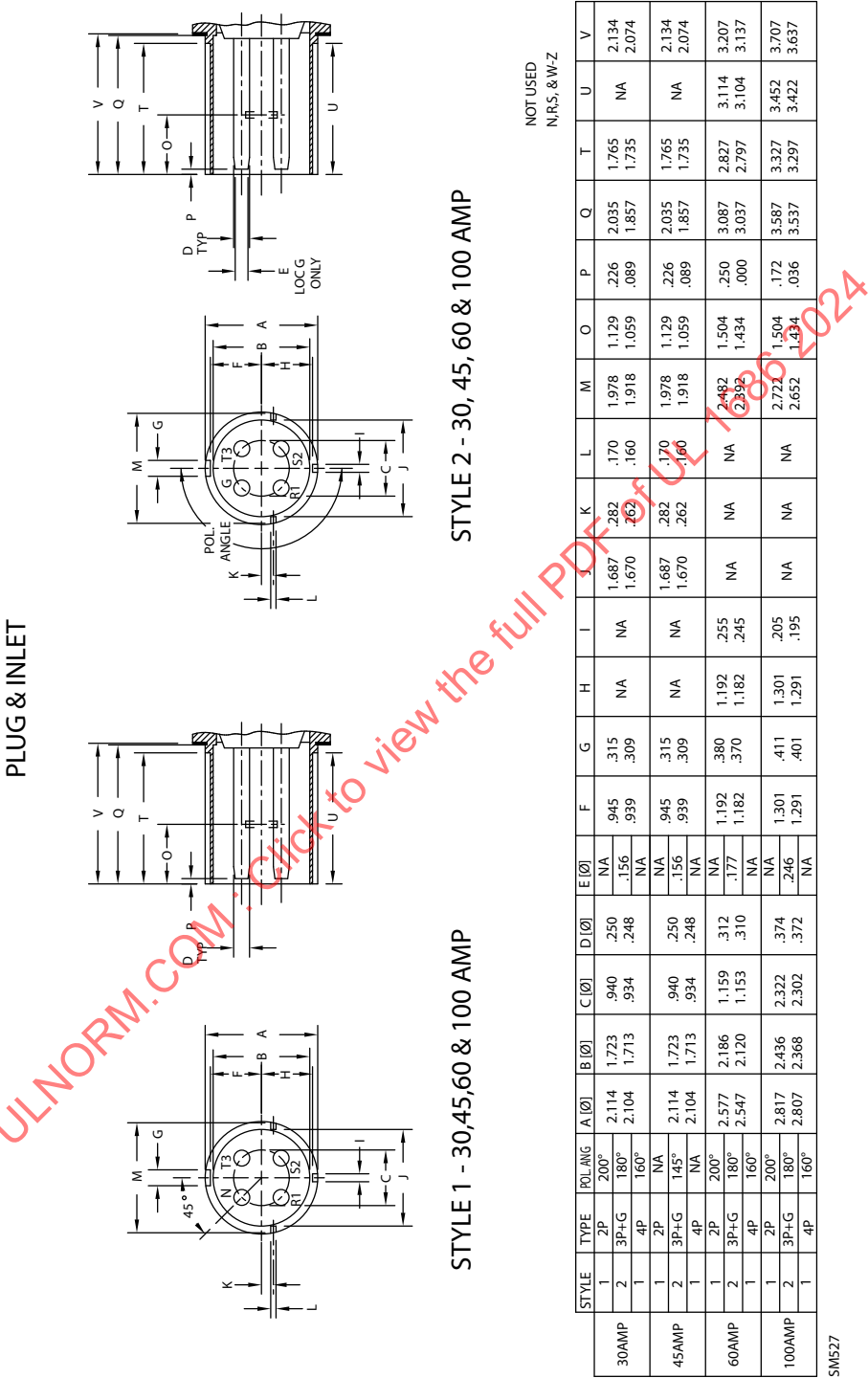
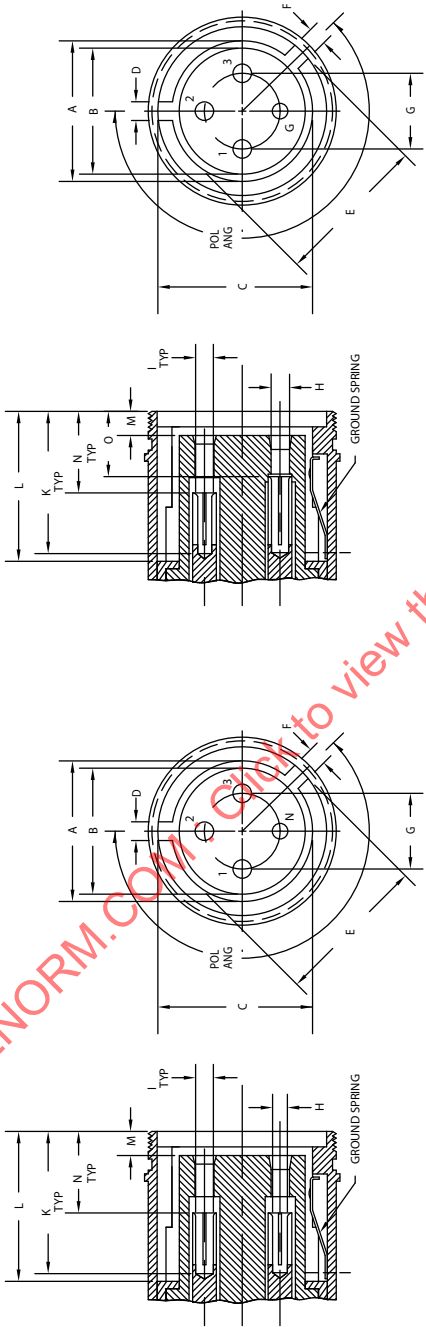


Figure C5.74
Receptacle and Connector

RECEPTACLE & CONNECTOR



STYLE 1 - 60 & 100 AMP
480 VAC

STYLE 2 - 60 & 100 AMP
480 VAC

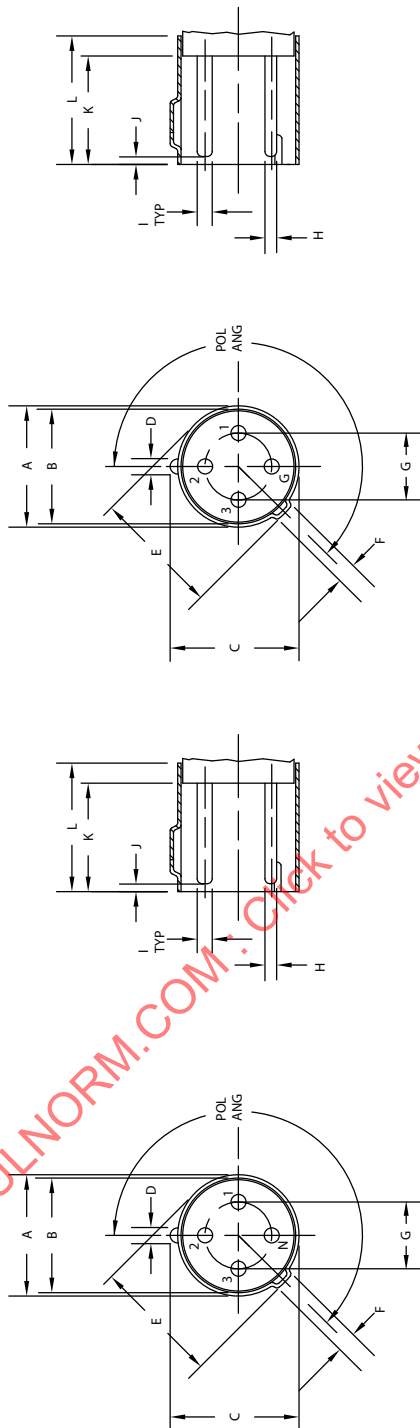
NOT USED
J & P-Z

STYLE	TYPE	POL ANG	A (Ø)	B (Ø)	C	D	E	F	G (Ø)	H (Ø)	I (Ø)	J	L	M	N	O
60AMP	1	2P	223°	2.570	2.580	370	2.636	.515	1.159	.246	.308	2.552	2.770	.405	1.496	1.146
	2	3P+G	223°	2.525	2.525	.328	2.603	.485	1.153	.241	.303	2.421	2.730	.345	1.344	.994
100AMP	1	2P	282°	2.590	2.792	406	2.653	.580	1.159	.308	.371	4.166	4.015	.540	2.948	2.466
	2	3P+G	282°	2.540	2.755	.338	2.605	.500	1.153	.303	.366	3.918	4.985	.460	2.822	2.316
1	4P	105°														

SM335

Figure C5.75
Plug and Inlet

PLUG & INLET



STYLE 1 - 60&100AMP
480 VAC

STYLE 2 - 60&100AMP
480 VAC

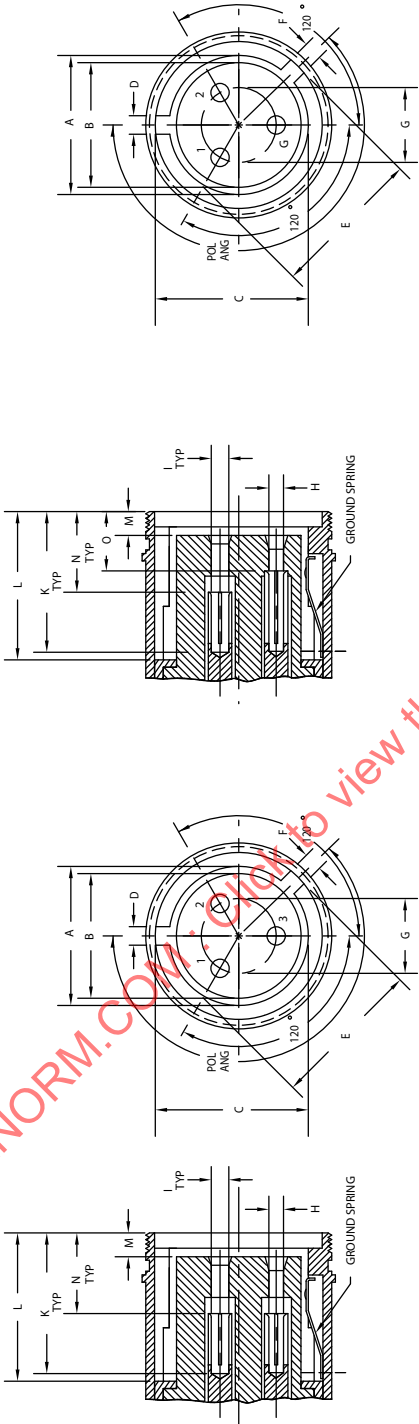
		STYLE	TYPE	POL ANG	A	B	C	D	E	F	G	H	I	J	K	L
60AMP	1	2P	223°	2.515	2.361	2.687	.350	.350	2.588	.390	1.159	.350	.312	.165	2.231	2.560
	2	3P+G	223°	2.485	2.311	2.632	.350	.350	2.568	.370	1.153	.248	.310	.000	2.141	2.500
	1	4P	45°													
100AMP	1	2P	282°	2.515	2.361	2.687	.322	.322	2.578	.385	1.159	.312	.312	.318	3.743	3.812
	2	3P+G	282°	2.485	2.311	2.632	.302	.302	2.568	.365	1.153	.310	.310	.180	3.633	3.752
	1	4P	105°										.273			

NOT USED
M2

SM534

Figure C5.76
Receptacle and Connector

RECEPTACLE & CONNECTOR



STYLE 1 - 30, 60, & 100 AMP
600 VAC

STYLE 2 - 30, 60, & 100 AMP
600 VAC

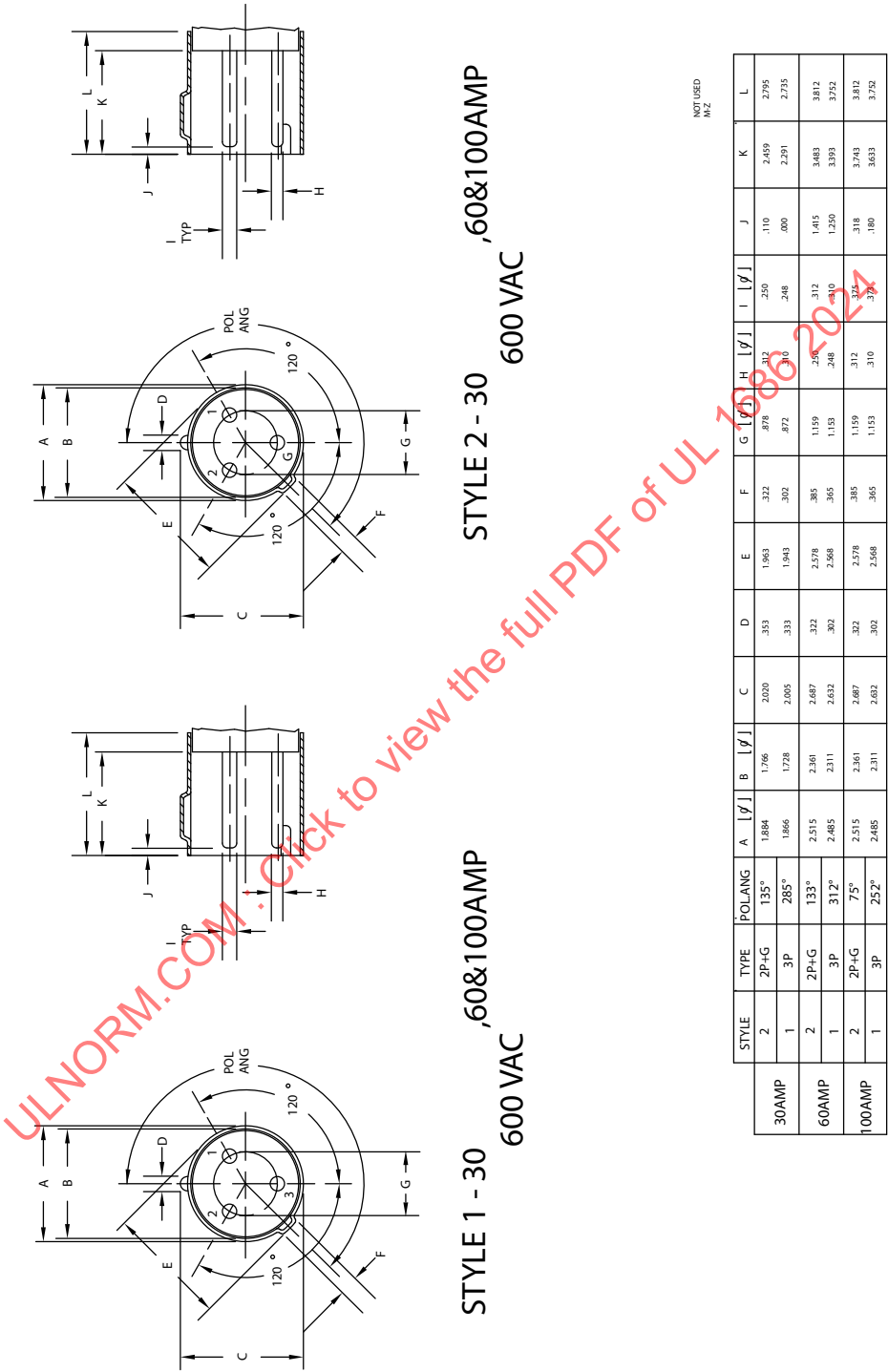
NOT USED
J & P-Z

STYLE	TYPE	POL ANG	A [0]	B [0]	C	D	E	F	G [0]	H [0]	I [0]	J	L	M	N	O
30AMP	2	2P+G	1.924	1.687	2.153	.370	2.153	.510	.878	.308	.246	3.000	1.952	.592	2.182	2.044
	1	3P	1.918	1.675	2.140	.328	2.140	.490	.872	.303	.241	2.871	1.922	.532	2.071	1.901
60AMP	2	2P+G	2.590	2.290	2.792	.406	2.653	.580	1.159	.246	.308	4.012	4.015	.540	2.891	2.551
	1	3P	2.540	2.210	2.755	.338	2.605	.500	1.153	.241	.303	3.857	4.985	.460	2.697	2.337
100AMP	2	2P+G	2.590	2.135	2.792	.406	2.653	.580	1.159	.308	.371	4.166	4.015	.540	2.948	2.466
	1	3P	2.540	2.000	2.755	.338	2.605	.500	1.153	.303	.366	3.918	4.985	.460	2.822	2.316

5M537

Figure C5.77
Plug and Inlet

PLUG & INLET



SM536

Figure C5.78
Receptacle and Connector

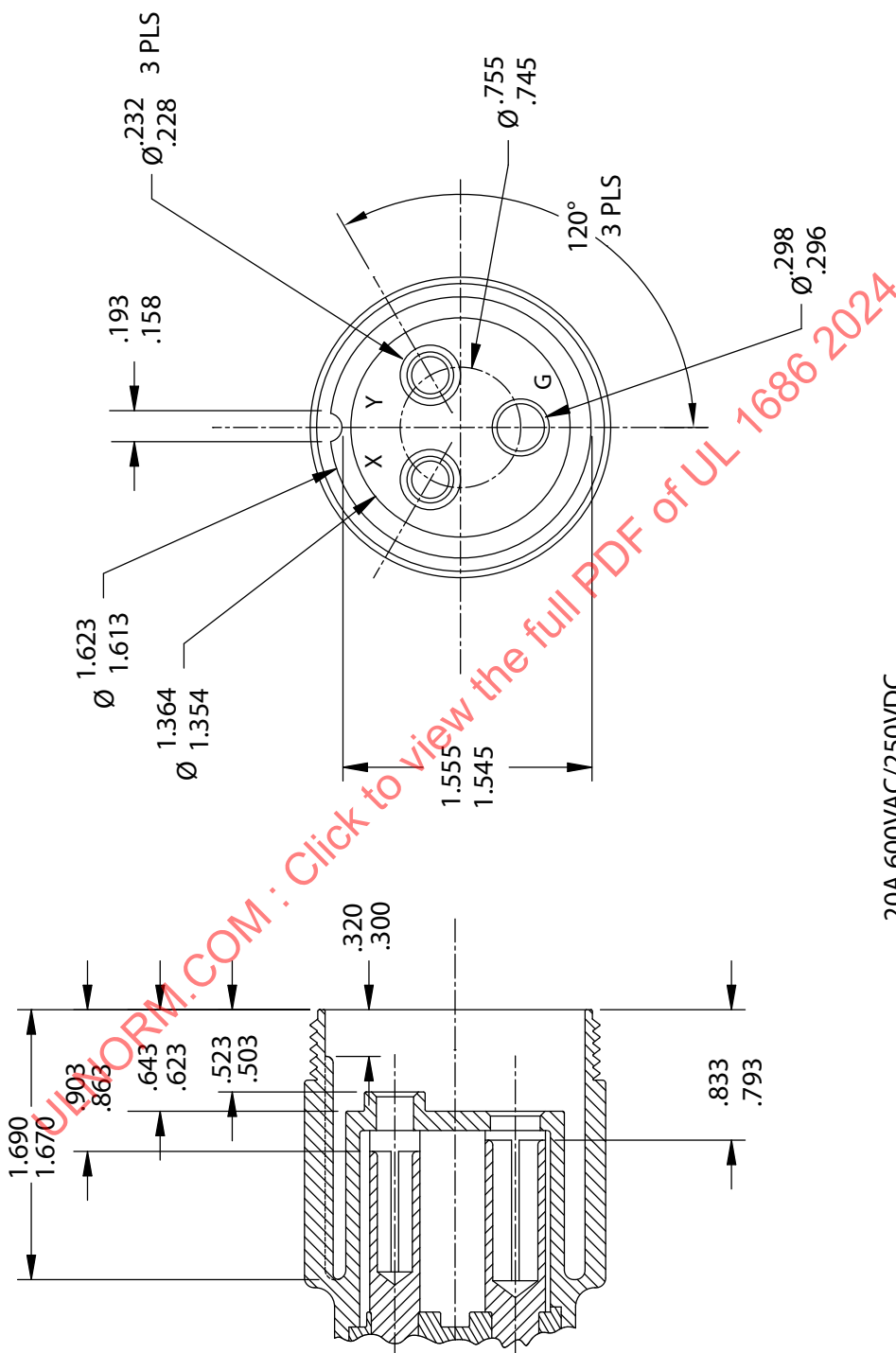
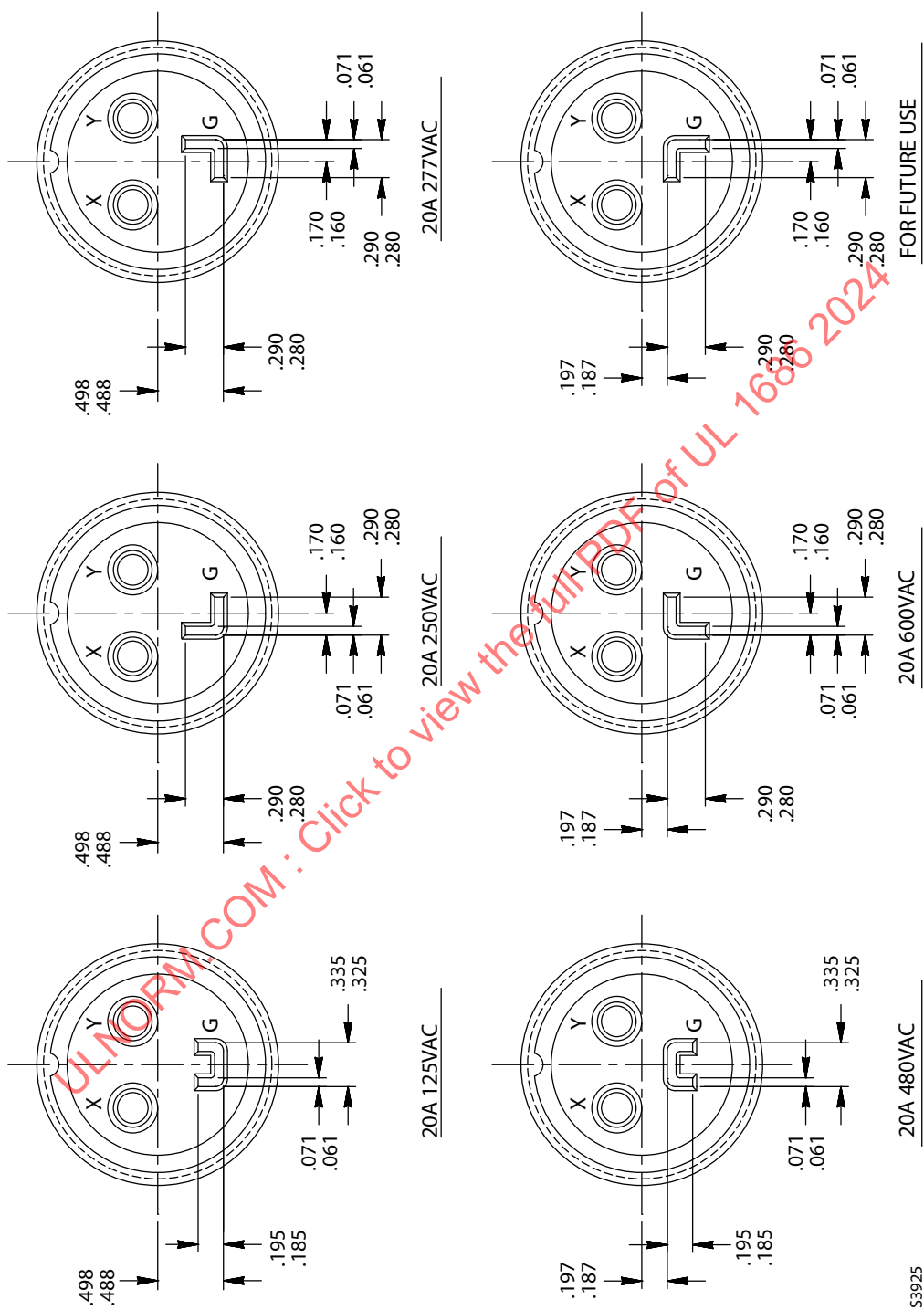


Figure C5.79
Receptacle and Connector



S3925

Figure C5.80
Plug and Inlet

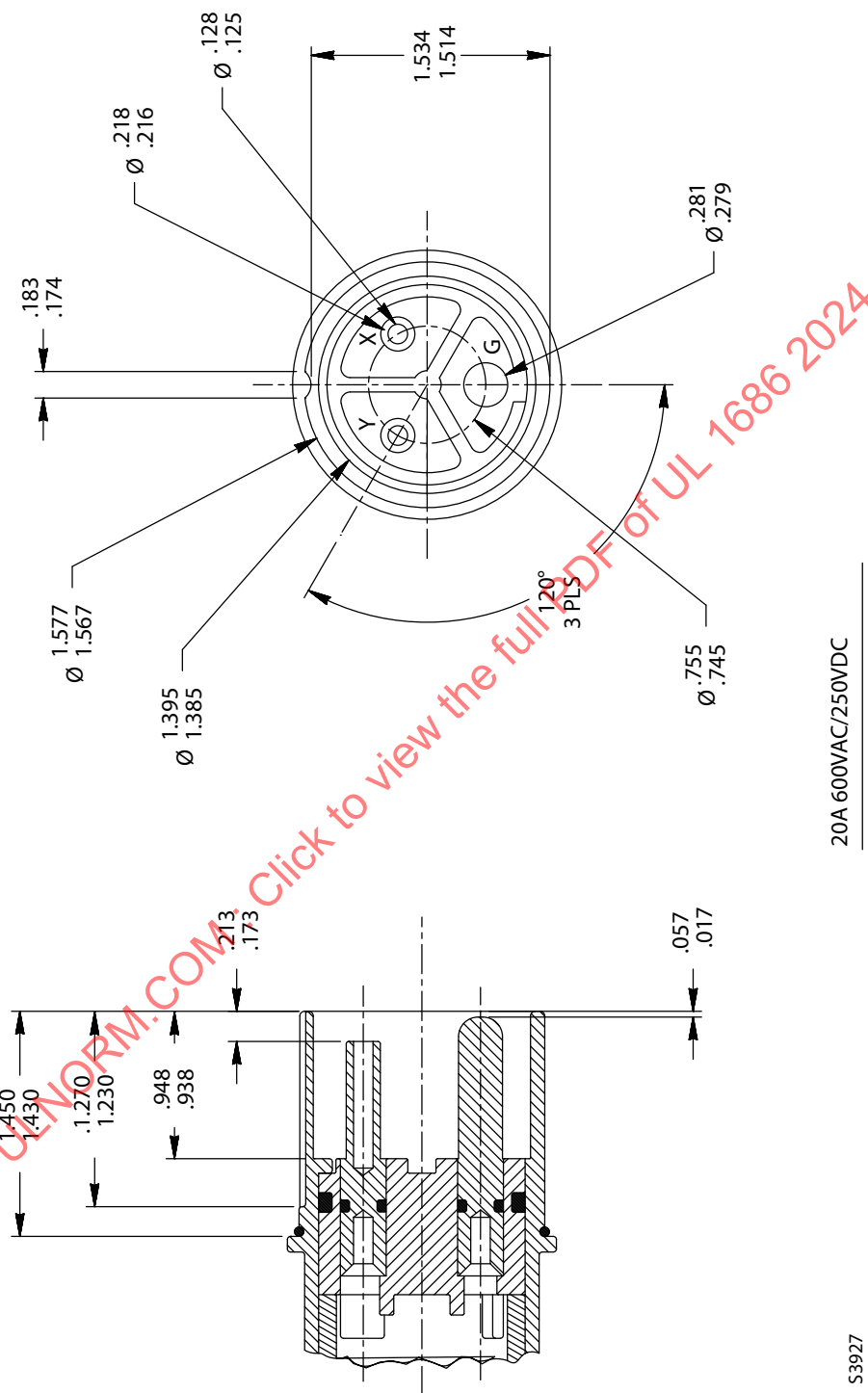
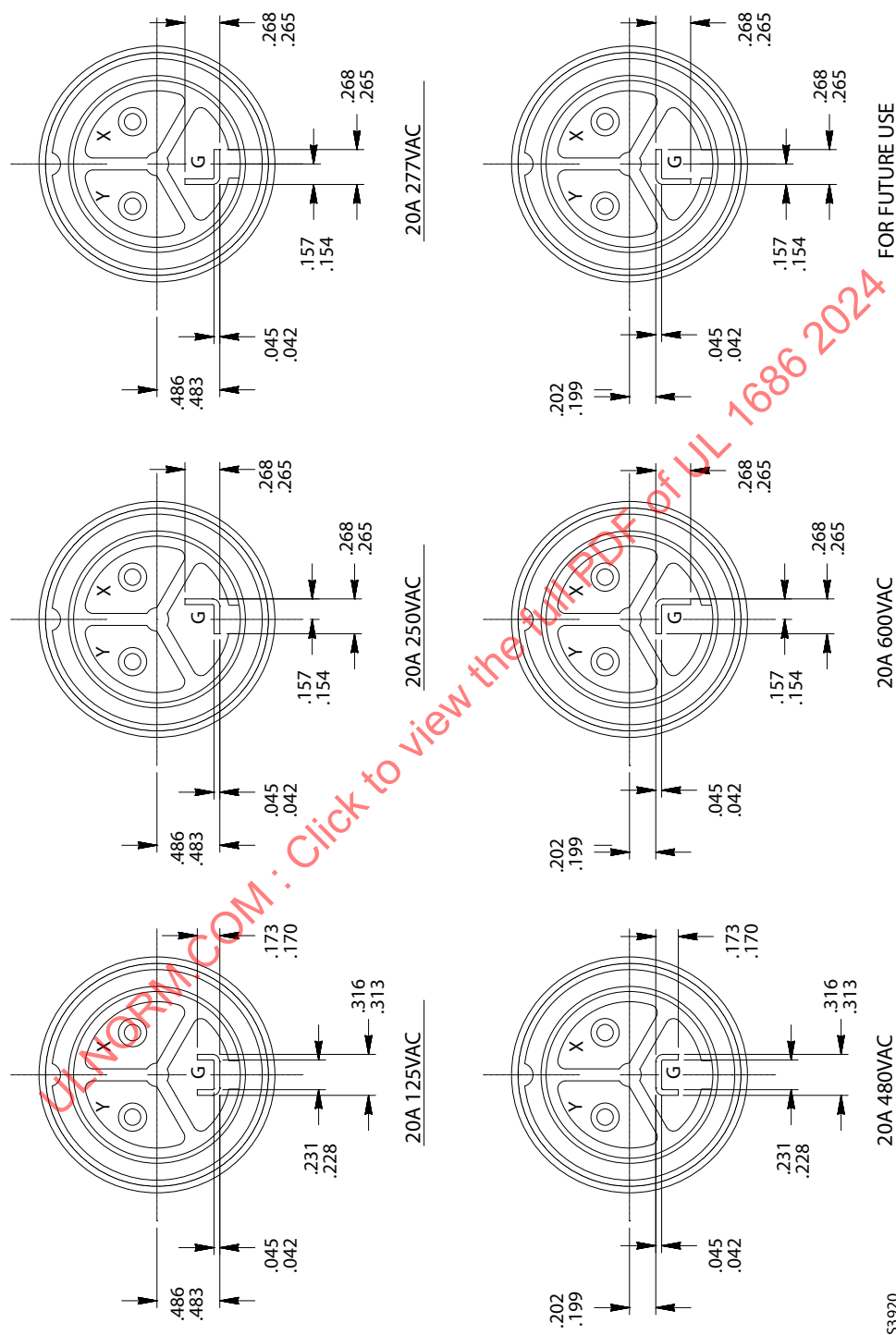
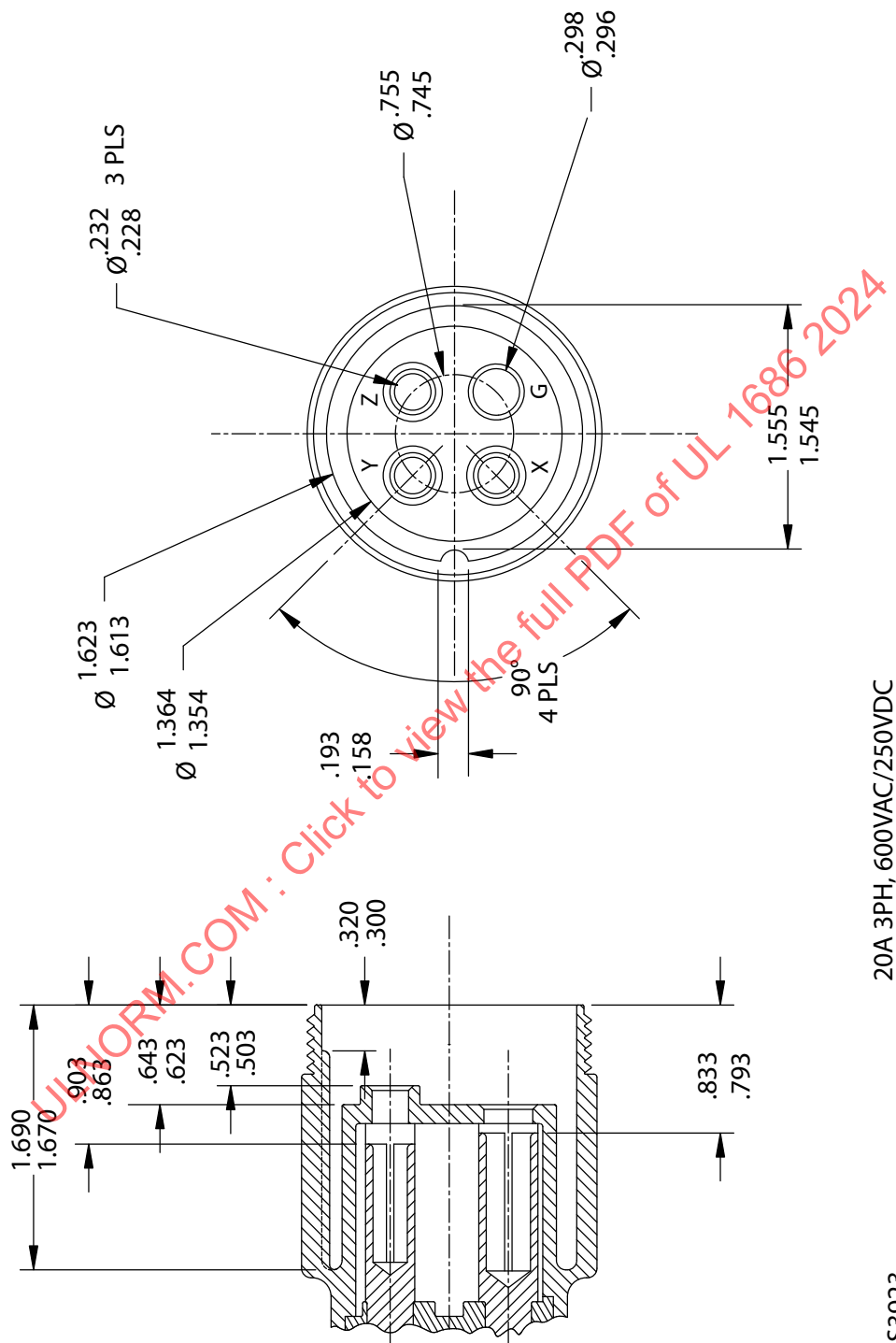


Figure C5.81
Plug and Inlet



S3920

Figure C5.82
Receptacle and Connector



S3923

20A 3PH, 600VAC/250VDC

Figure C5.83
Receptacle and Connector

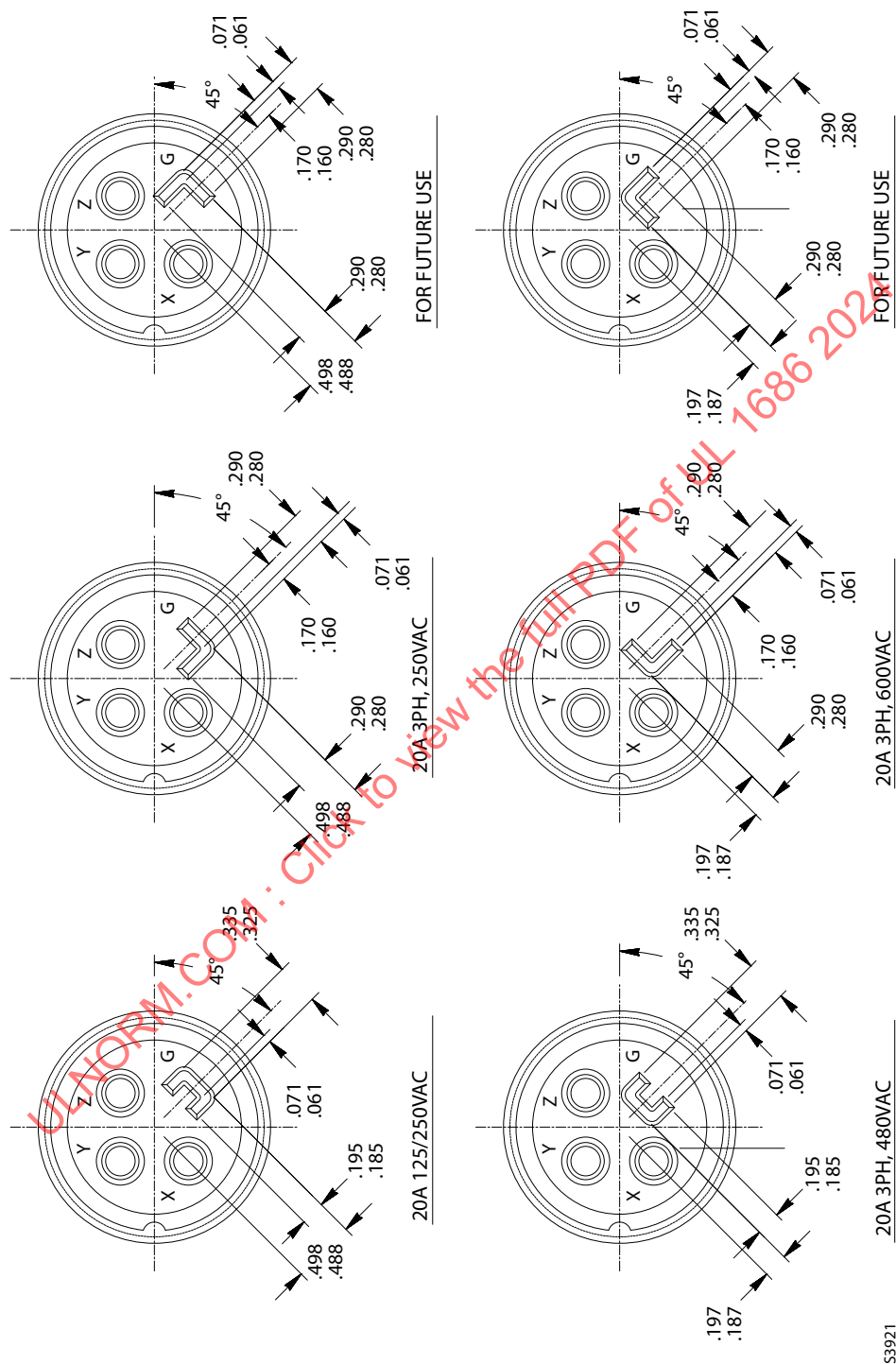
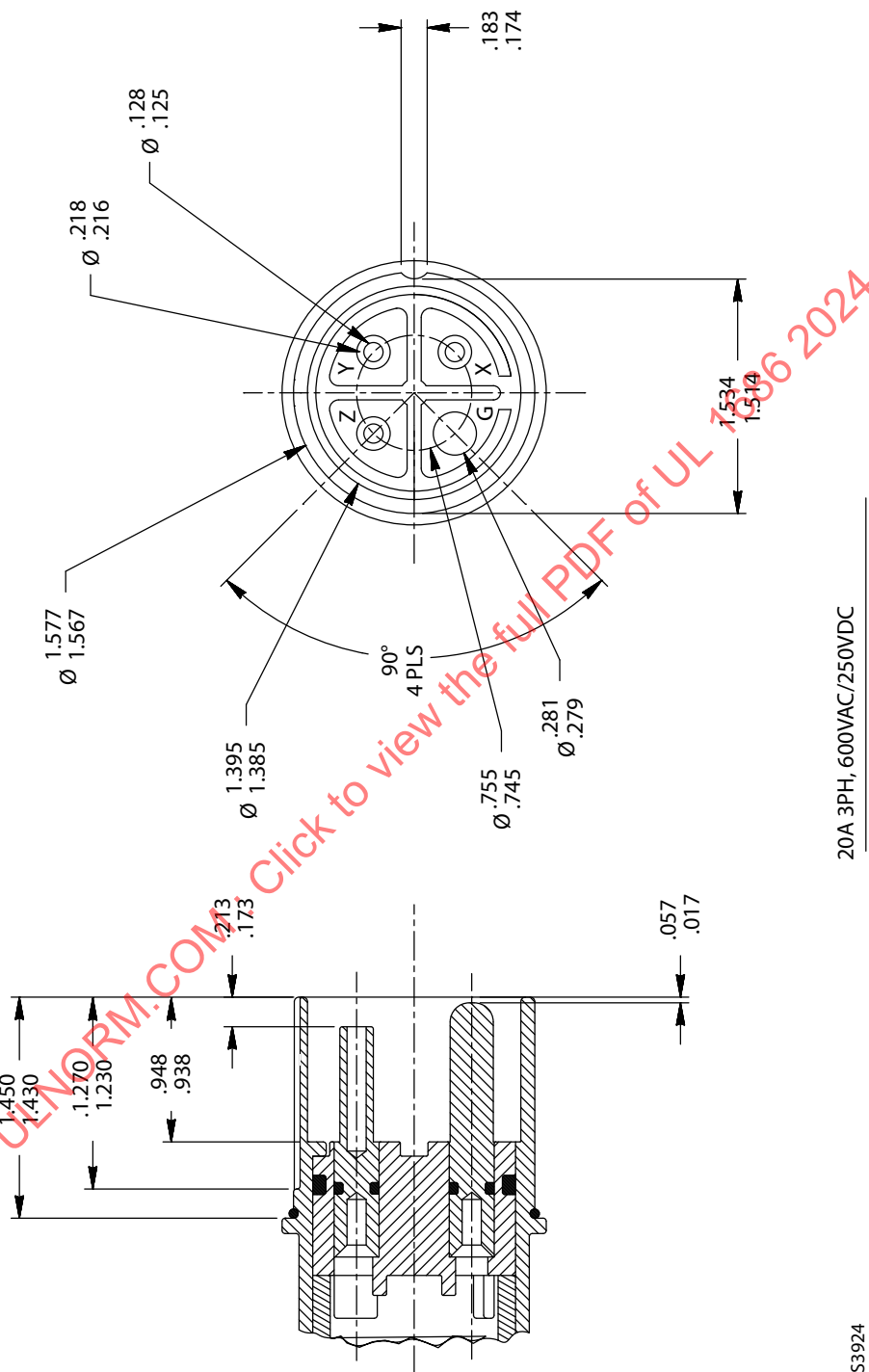


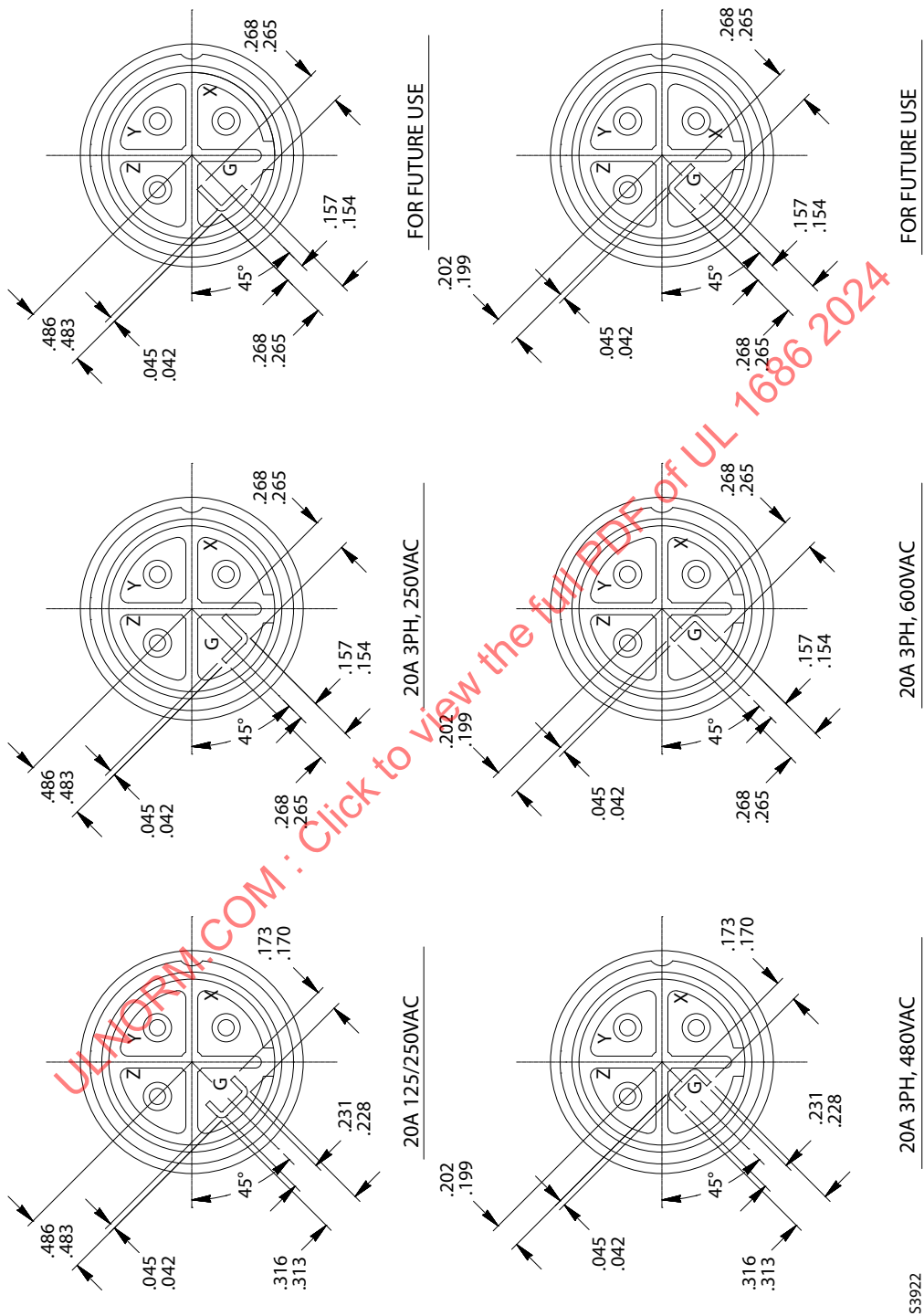
Figure C5.84
Plug and Inlet



20A 3PH, 600VAC/250VDC

S3924

Figure C5.85
Plug and Inlet



S3922

Figure C5.86
Receptacle and Connector

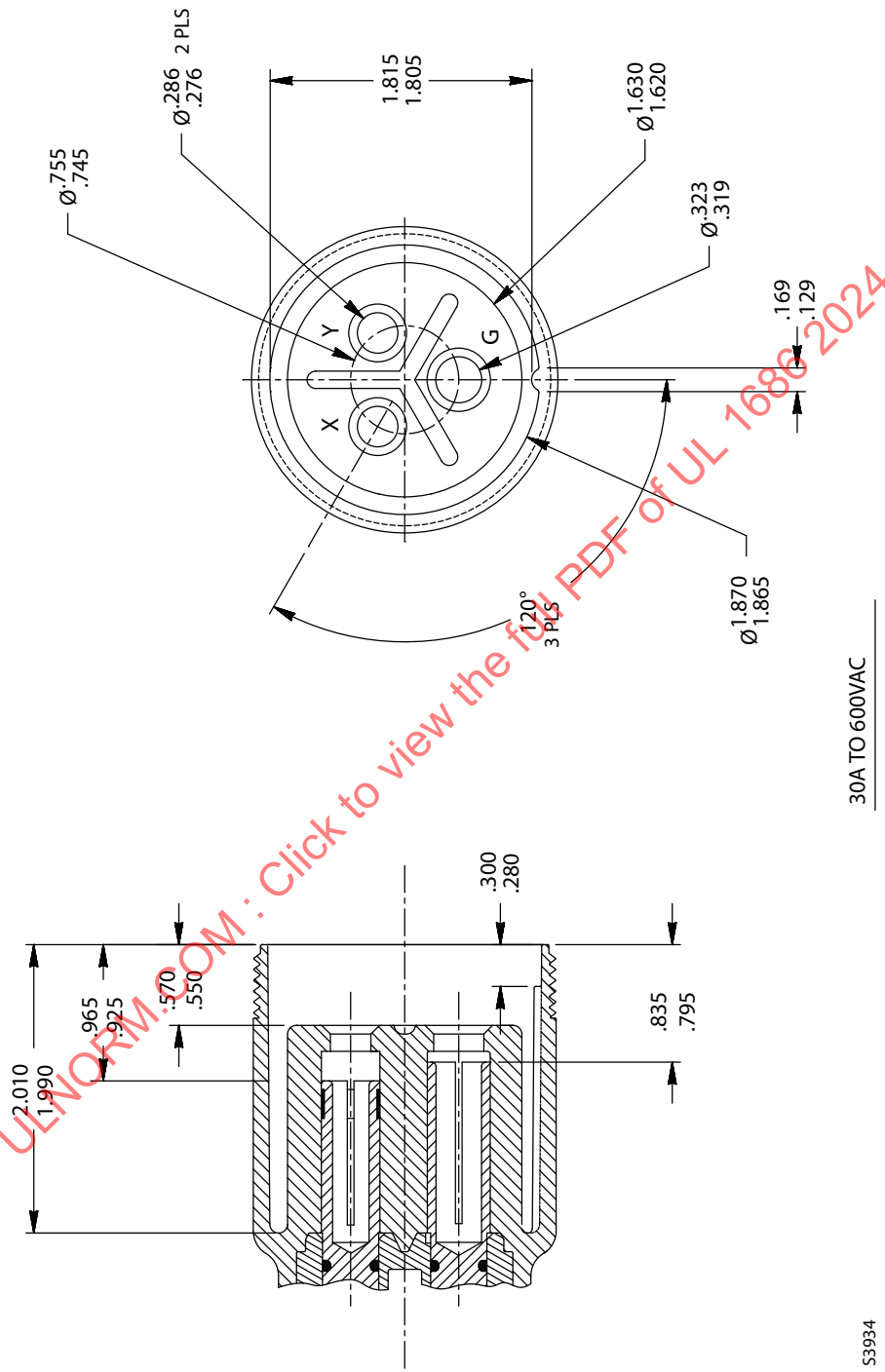


Figure C5.87
Receptacle and Connector

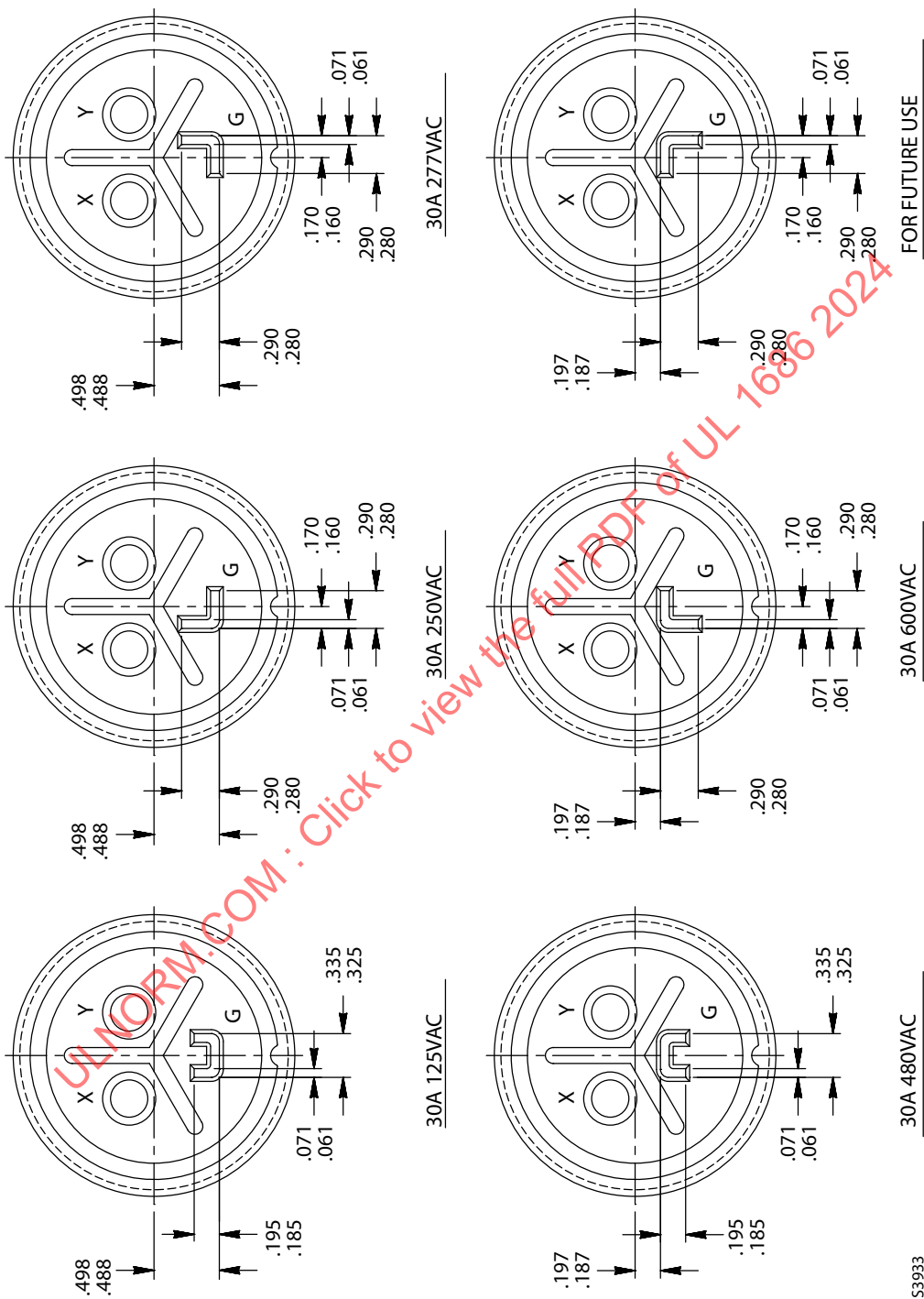


Figure C5.88
Plug and Inlet

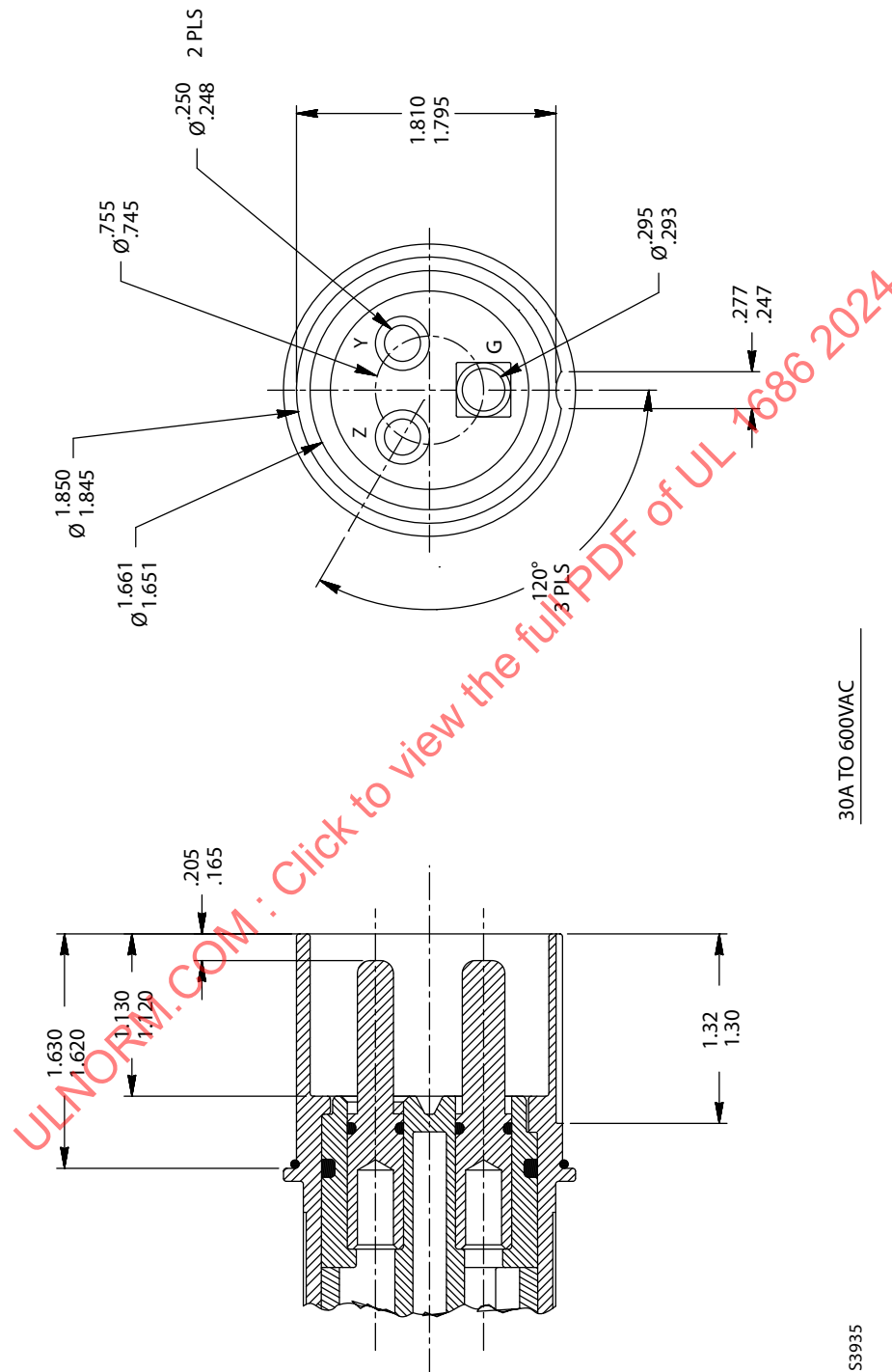


Figure C5.89
Plug and Inlet

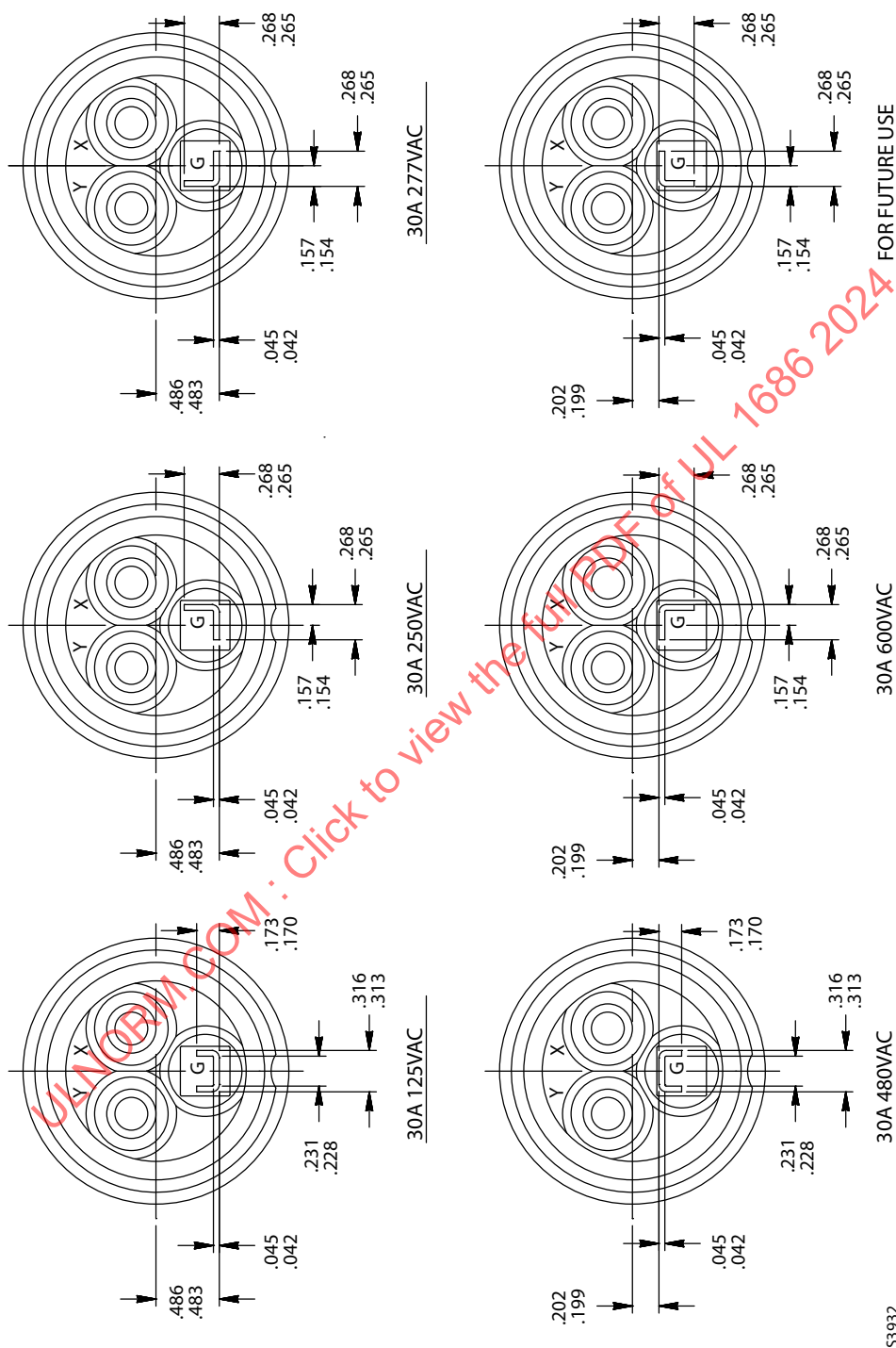


Figure C5.90
Receptacle and Connector

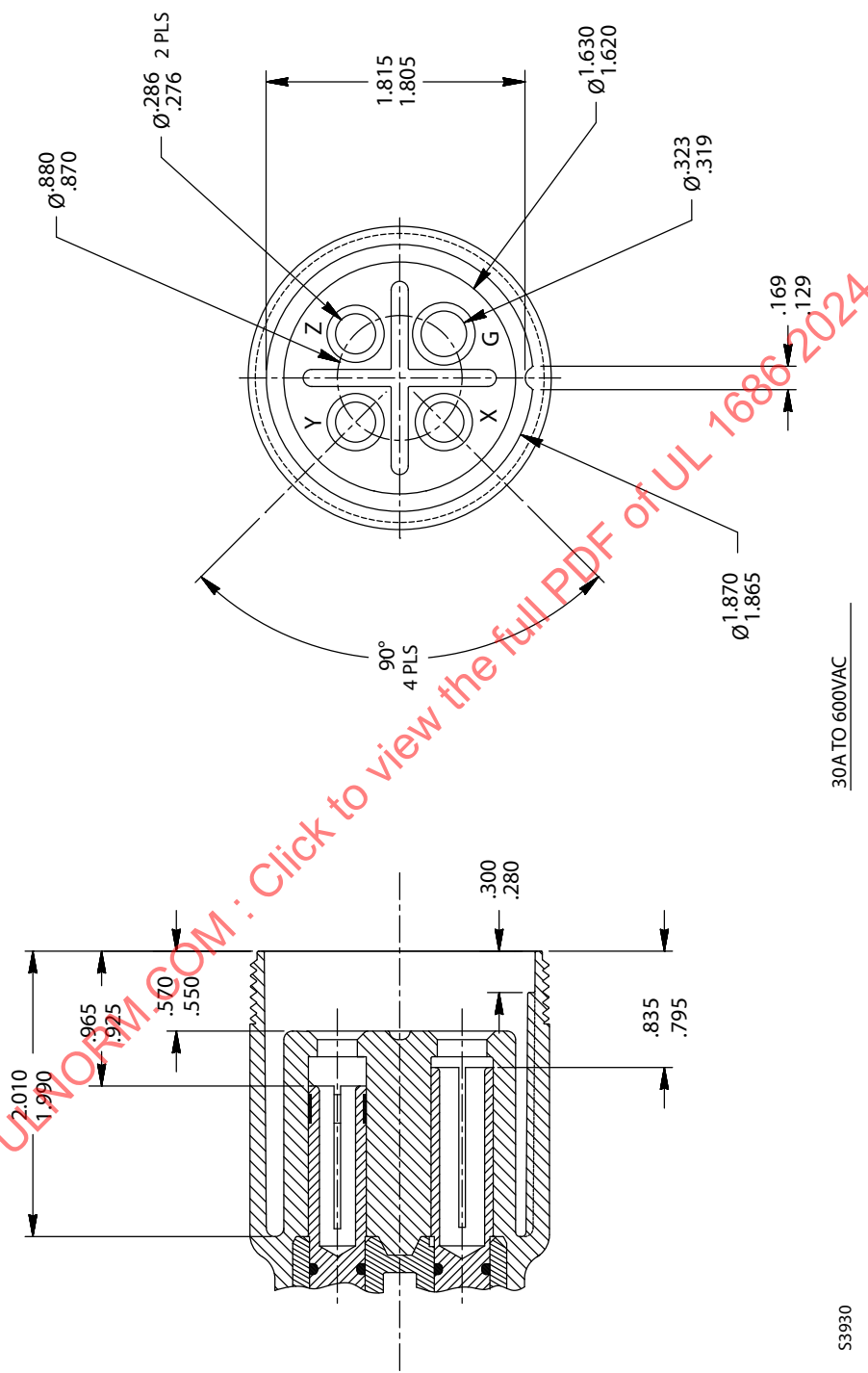
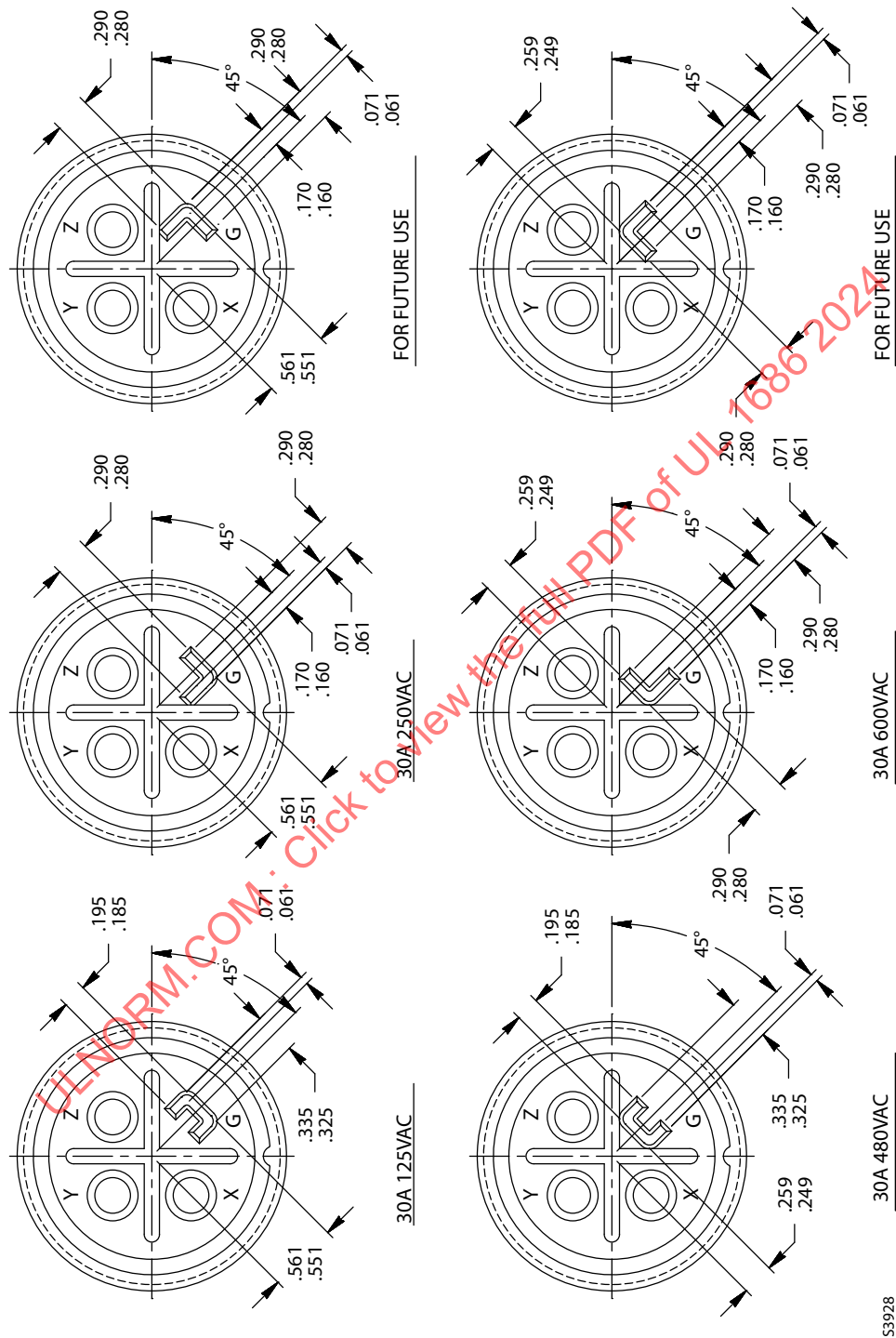
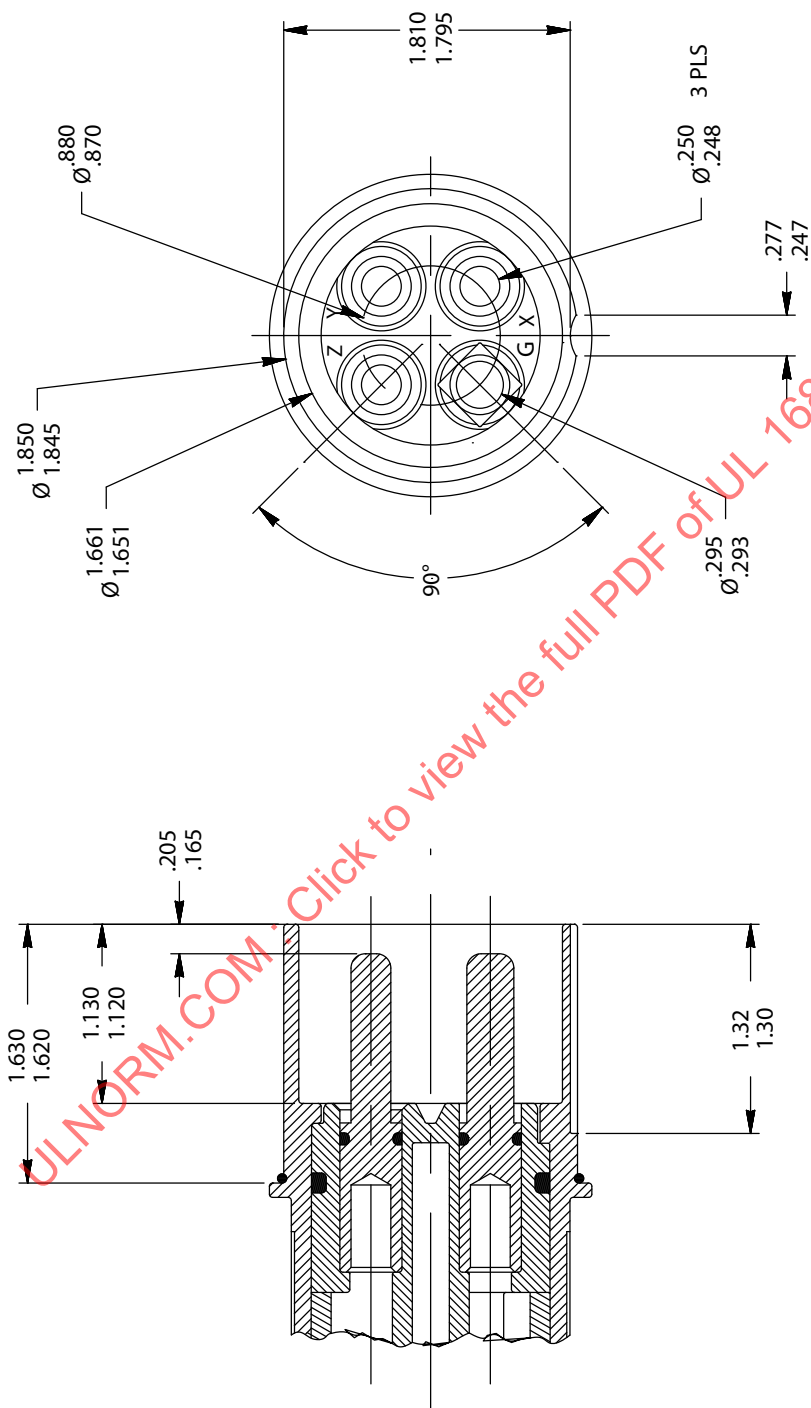


Figure C5.91
Receptacle and Connector



S3928

Figure C5.92
Plug and Inlet



30A TO 600VAC

S3931

Figure C5.93
Plug and Inlet

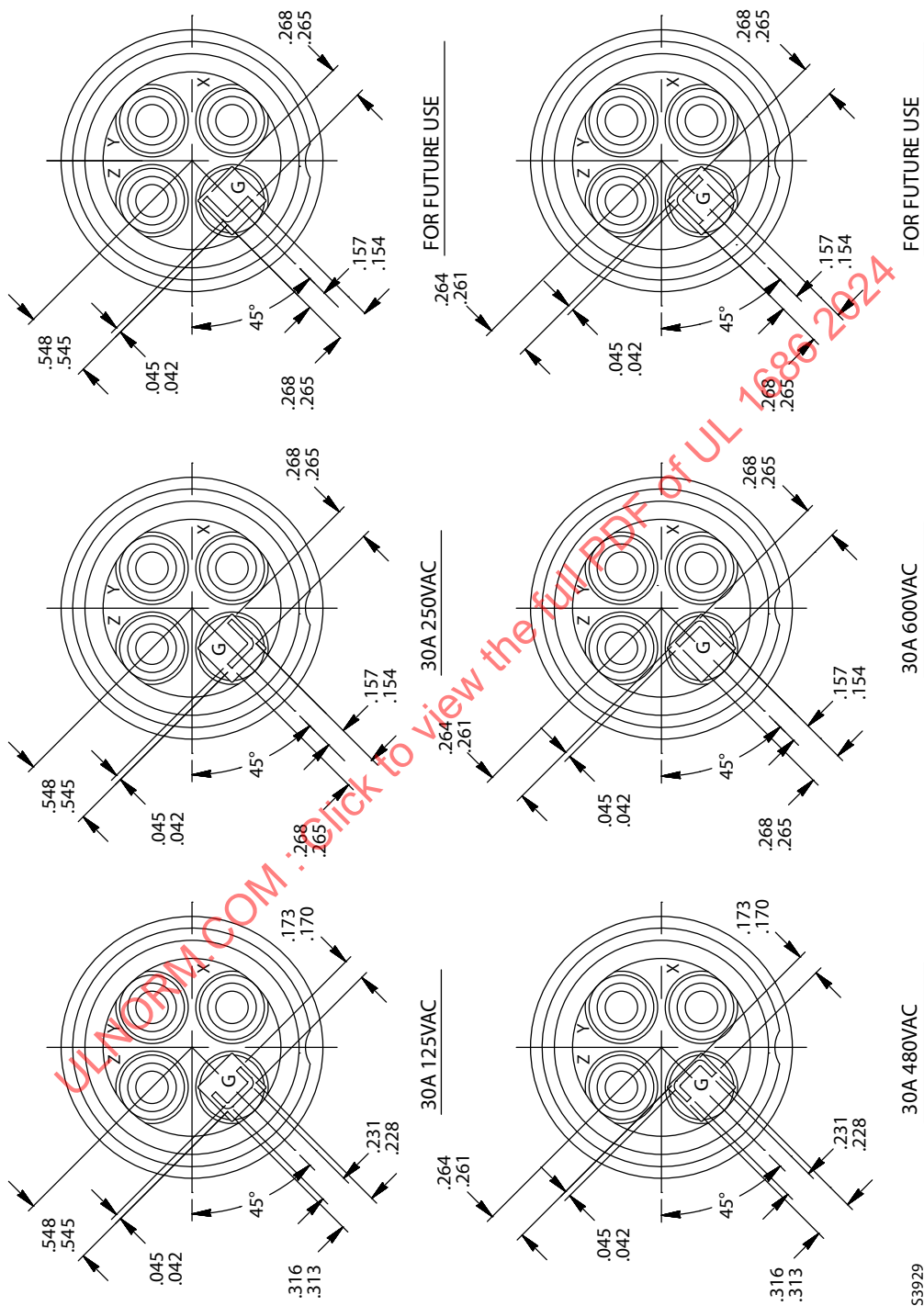


Figure C5.94
Receptacle and Connector

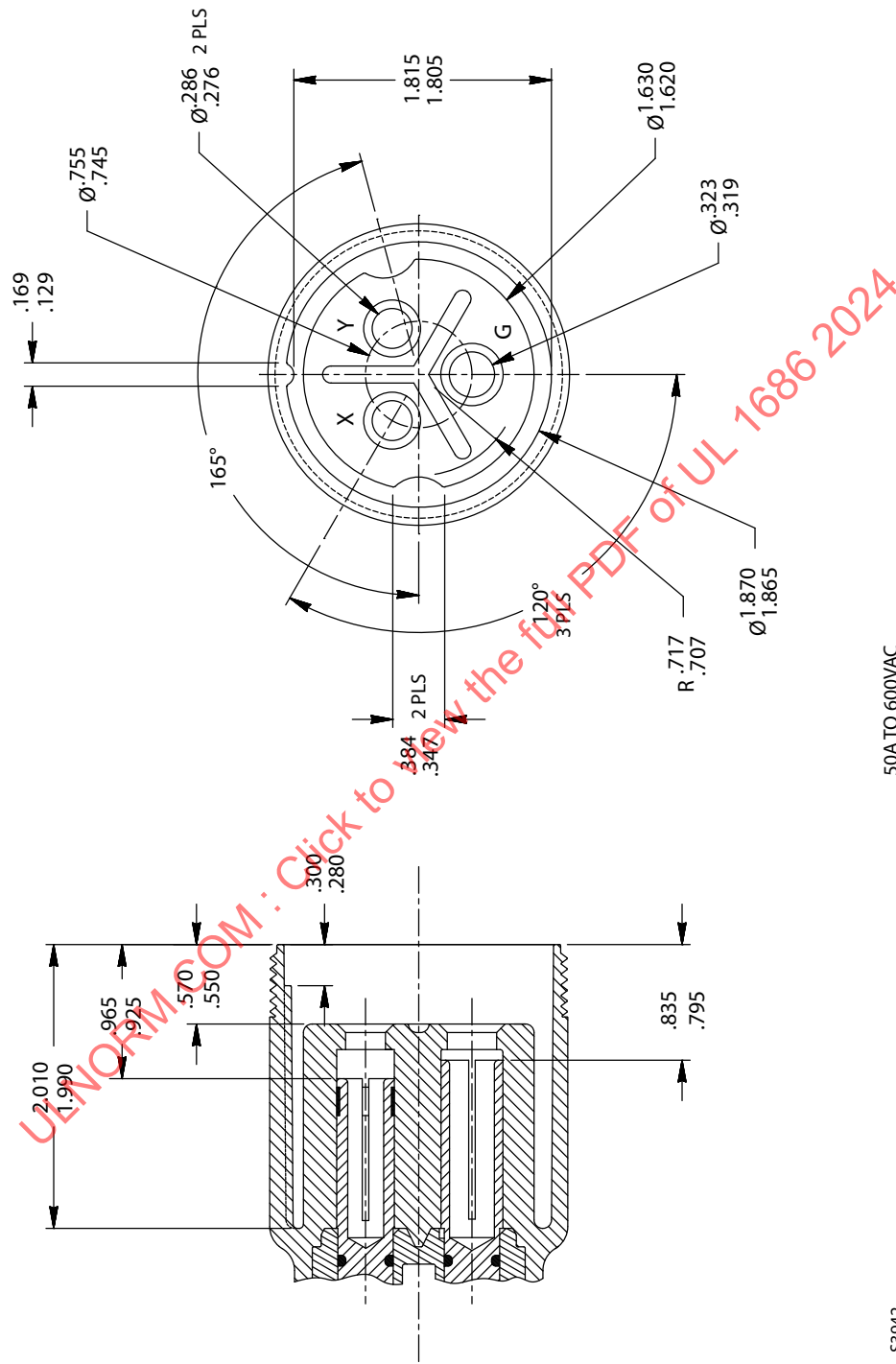


Figure C5.95
Receptacle and Connector

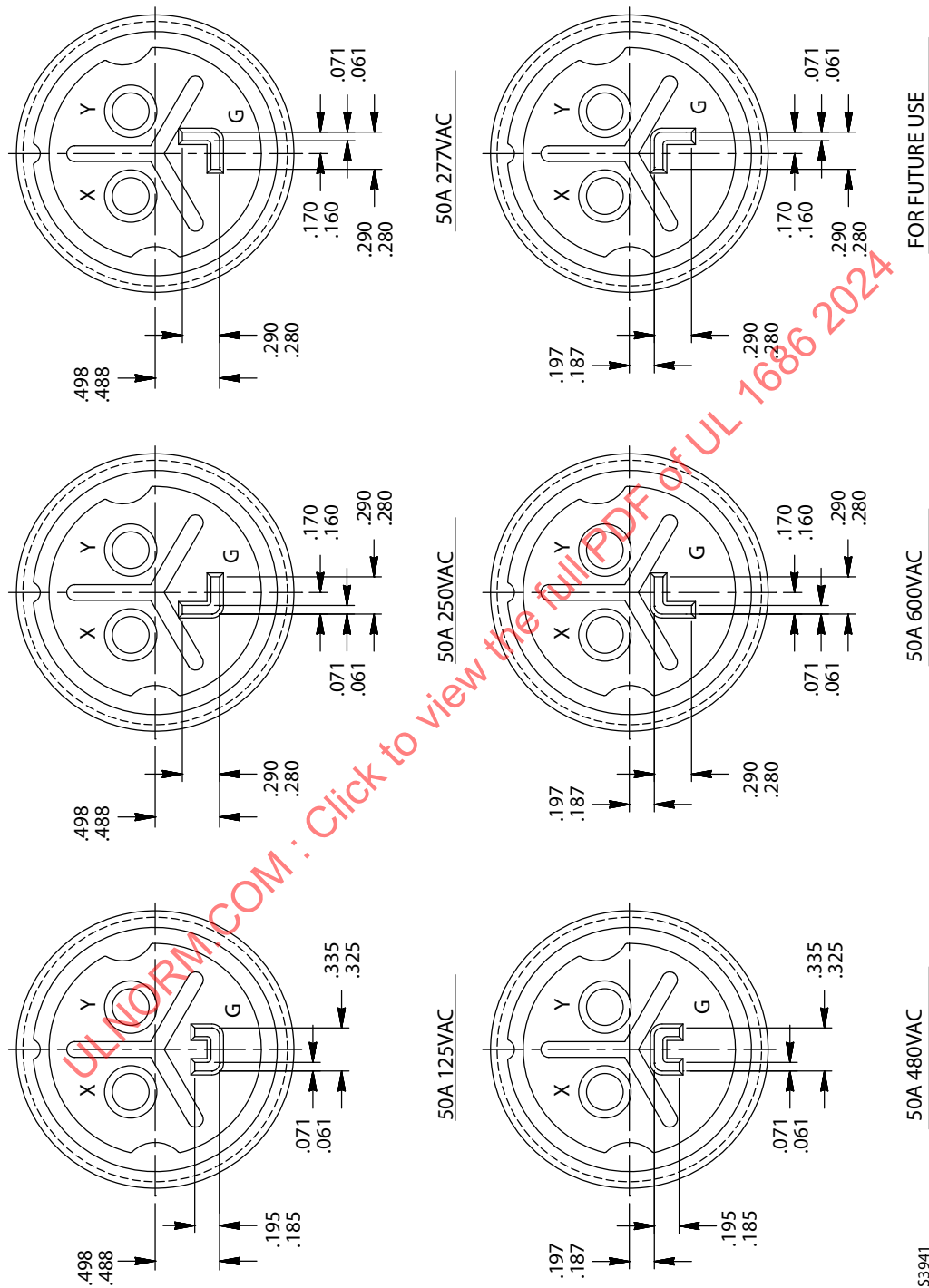
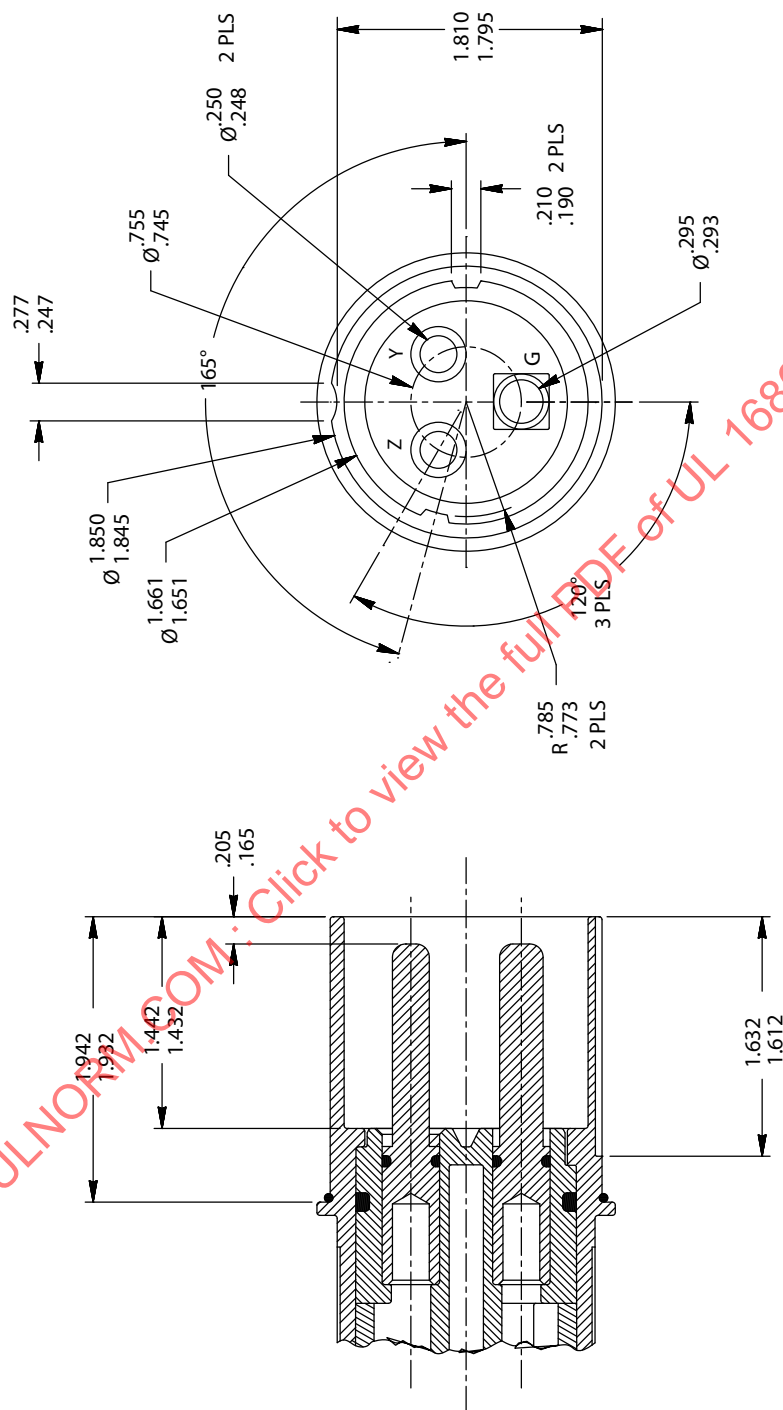


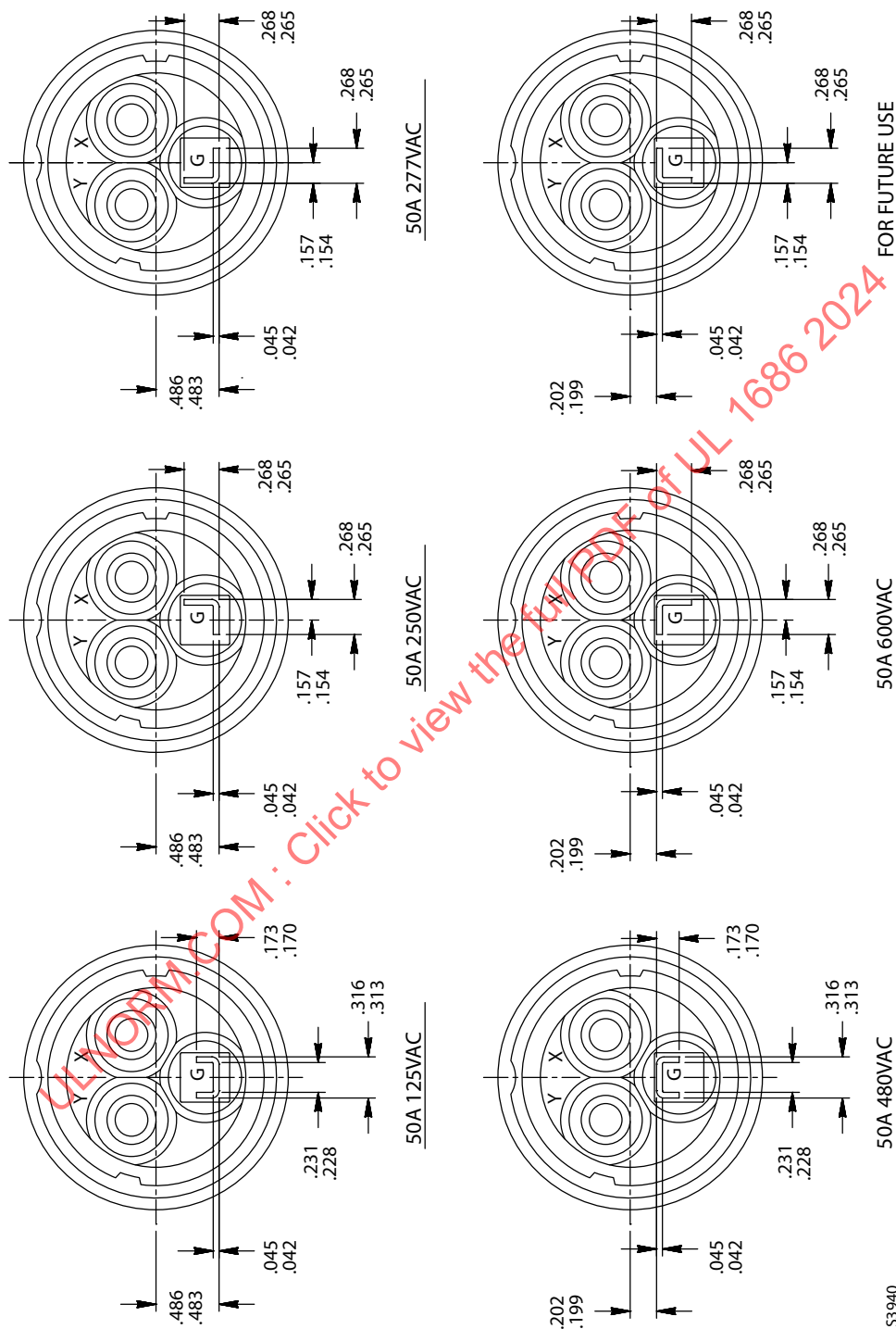
Figure C5.96
Plug and Inlet



50A TO 600VAC

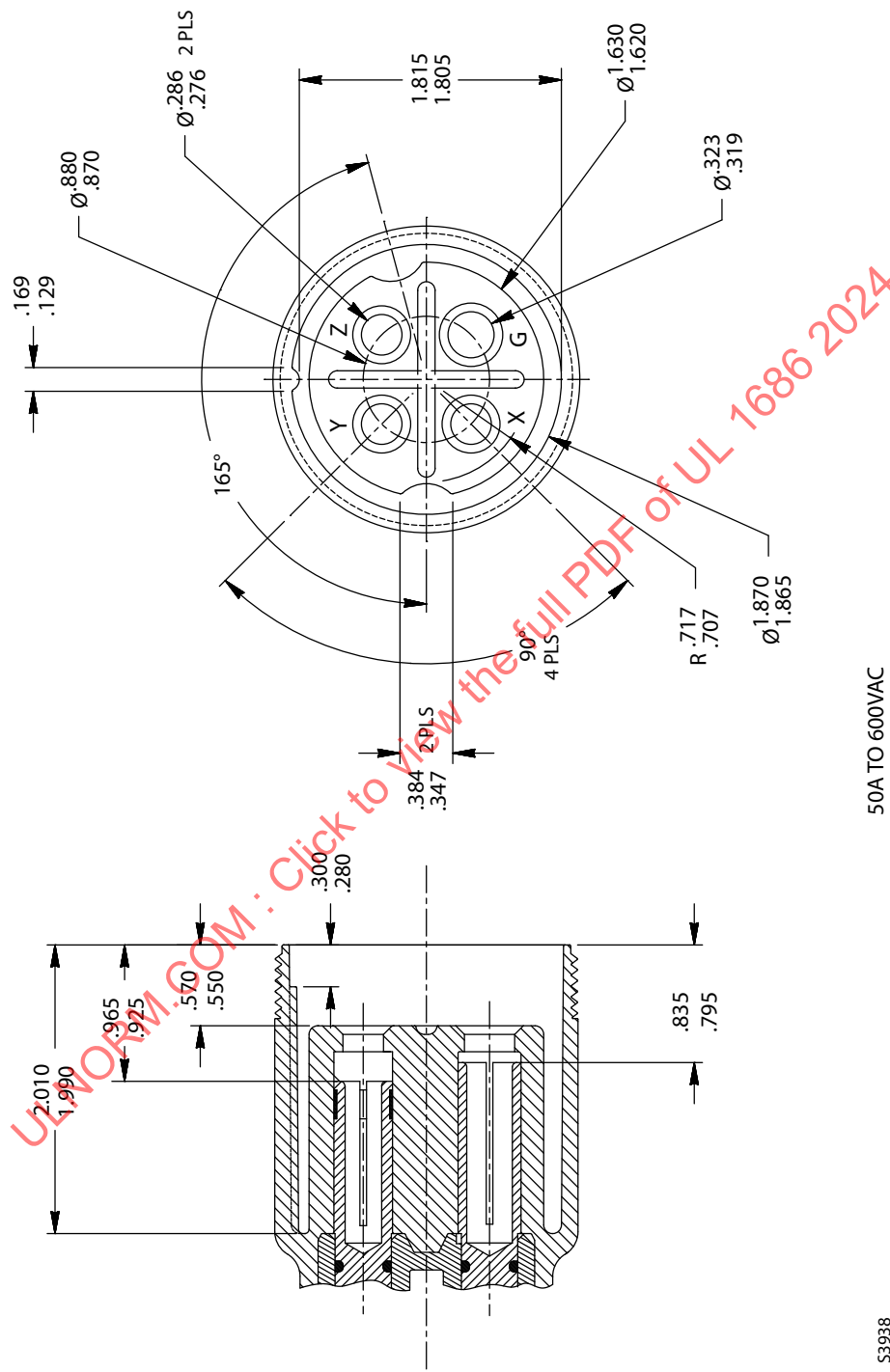
S3943

Figure C5.97
Plug and Inlet



S3940

Figure C5.98
Receptacle and Connector



S3938

Figure C5.99
Receptacle and Connector

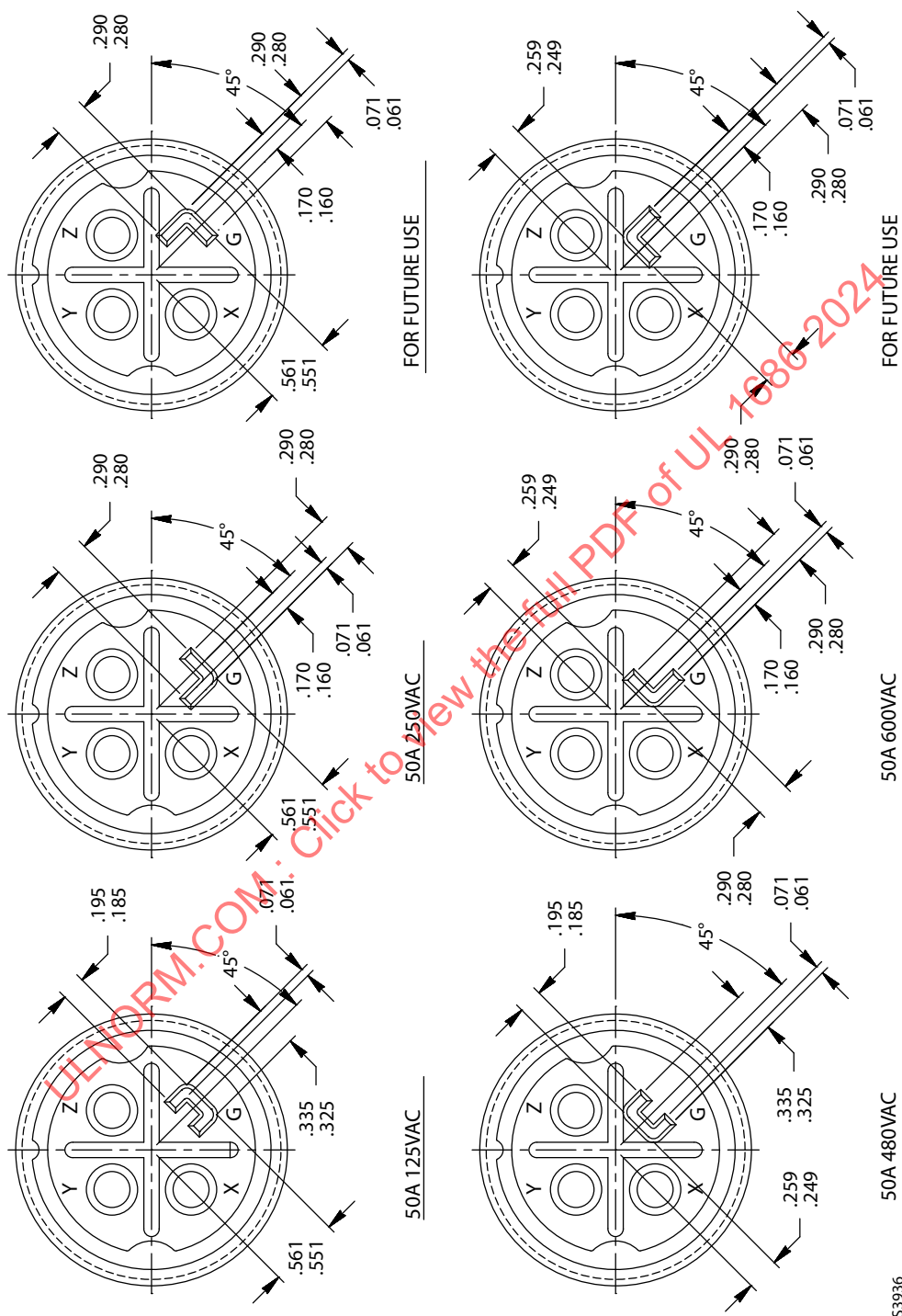
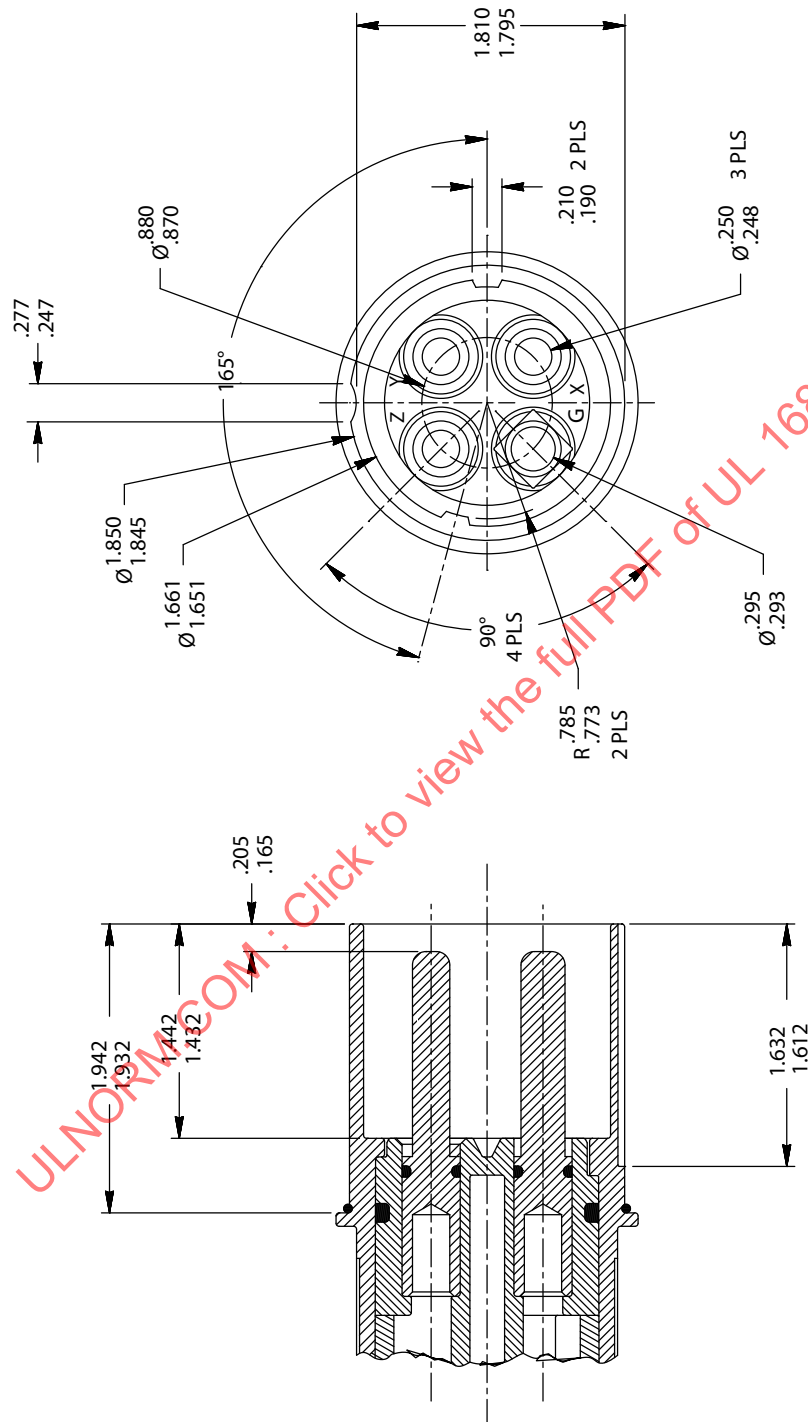


Figure C5.100
Plug and Inlet

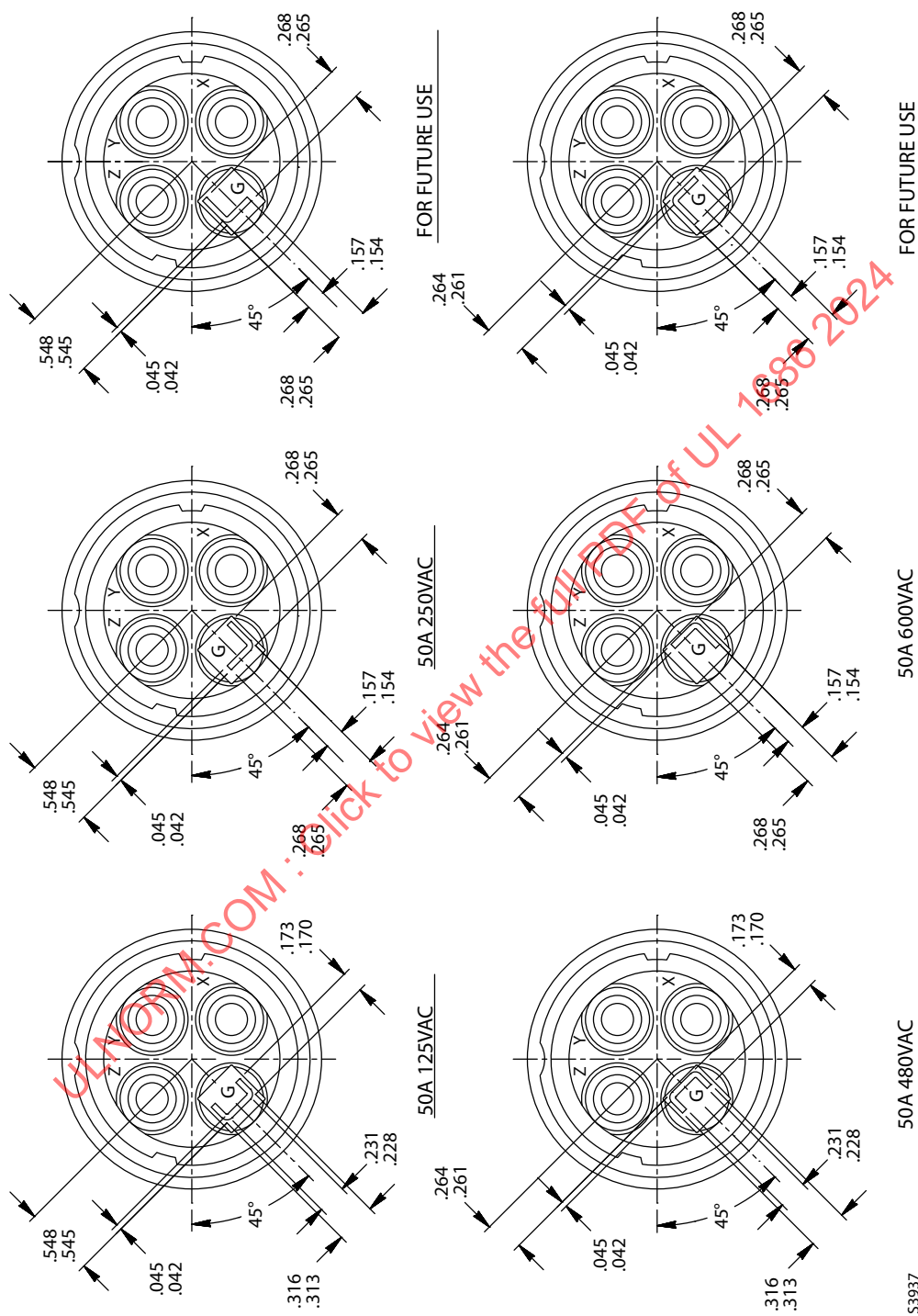


50A TO 600VAC

S3939

Figure C5.101

Plug and Inlet



ANNEX A (Informative) – Equivalent Tables in Inches

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Table C1.1
See [Figure C1.1](#)

STYLE	KIND	CURRENT A	A (Ø) mm (in)	B mm (in)	C (Ø) mm (in)	D mm (in)	E (Ø) mm (in)	G (Ø) mm (in)	J mm (in)	L mm (in)	M mm (in)	Q mm (in)	AA mm (in)	AB mm (in)
1	2P	30	49 (1,929) 47,37 (1,865)	46,17 (1,818) 44,45 (1,750)	36,58 (1,440) 29,08 (1,145)	5,03 (0,198) 3,76 (0,148)	14,43 (0,568) 12,88 (0,507)	6,76 (0,266) 6,55 (0,258)	28,83 (1,135) 25,53 (1,005)	6,99 (0,275) 5,72 (0,225)	44,04 (1,734) MIN.	3,05 (0,120) 2,03 (0,080)	2,64 (0,104) 0,66 (0,026)	19,05 (0,750) 6,35 (0,250)
1	2P	60	59,92 (2,359) 56,90 (2,240)	56,36 (2,219) 53,75 (2,116)	4,64 (1,600) 38,48 (1,515)	10,03 (0,395) 7,98 (0,314)	16,64 (0,655) 15,49 (0,610)	9,96 (0,392) 9,68 (0,381)	40,87 (1,609) 37,21 (1,465)	9,12 (0,359) 5,44 (0,214)	68,35 (2,691) MIN.	3,56 (0,140) 2,54 (0,100)	3,30 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)
1	2P	100	68,2 (2,685) 63,45 (2,498)	62,26 (2,451) 60,17 (2,369)	51,18 (2,015) 47,63 (1,875)	9,70 (0,382) 7,62 (0,300)	26,31 (1,036) 26,04 (1,025)	12,32 (0,485) 11,35 (0,447)	50,67 (1,995) 48,44 (1,907)	7,62 (0,300) 5,23 (0,206)	90,09 (3,547) MIN.	4,45 (0,175) 3,45 (0,136)	3,30 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)

Table C1.2
See [Figure C1.2](#)

STYLE	KIND	CURRENT A	a (ø) mm (in)	b mm (in)	c (ø) mm (in)	d1 mm (in)	d2 mm (in)	e (ø) mm (in)	f (Ø) mm (in)	g (ø) mm (in)	h mm (in)	j mm (in)	l mm (in)	m mm (in)	n mm (in)	aa mm (in)	ab mm (in)
1	2P	30	47,37 (1,865) 46,94 (1,848)	44,96 (1,770) 44,32 (1,745)	39,12 (1,540) 37,08 (1,460)	5,59 (0,220) 5,05 (0,199)	5,21 (0,205) 4,95 (0,195)	14,43 (0,568) 14,15 (0,557)	4,85 (0,191) 4,72 (0,186)	6,43 (0,253) 6,27 (0,247)	2,41 (0,095) 0,13 (0,005)	23,42 (0,922) 16,26 (0,640)	36,45 (1,435) MIN.	42,04 (1,655) 41,17 (1,621)	0,053 (0,021) 0,00 (0,000)	2,72 (0,107) 0,28 (0,011)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
1	2P	60	56,87 (2,239) 56,39 (2,220)	53,70 (2,114) 52,81 (2,079)	48,01 (1,890) 42,42 (1,670)	10,16 (0,400) 9,78 (0,385)	4,06 (0,160) 3,56 (0,140)	21,72 (0,855) 21,08 (0,830)	6,43 (0,253) 6,33 (0,249)	9,60 (0,378) 9,27 (0,365)	13,46 (0,530) 9,73 (0,383)	35,94 (1,415) 33,02 (1,300)	66,42 (2,615) MIN.	70,23 (2,765) 67,87 (2,672)	3,3 (0,130) 1,5 (0,059)	2,54 (0,100) 0,51 (0,020)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
1	2P	100	63,12 (2,485) 62,48 (2,460)	60,07 (2,365) 59,41 (2,339)	53,59 (2,110) 51,56 (2,030)	10,67 (0,420) 9,78 (0,385)	4,06 (0,160) 3,56 (0,140)	26,31 (1,036) 26,04 (1,025)	8,00 (0,315) 7,9 (0,311)	11,23 (0,442) 10,97 (0,432)	12,57 (0,495) 10,03 (0,395)	40,94 (1,612) 38,4 (1,512)	83,95 (3,305) MIN.	88,52 (3,485) 86,92 (3,422)	4,09 (0,161) 1,5 (0,059)	2,79 (0,110) 0,66 (0,026)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)

Table C1.3
See [Figure C1.3](#)

STYLE	KIND	CURRENT A	A (Ø) mm (in)	B mm (in)	C (Ø) mm (in)	D mm (in)	E (Ø) mm (in)	G (Ø) mm (in)	J mm (in)	K mm (in)	L mm (in)	M mm (in)	Q mm (in)	AA mm (in)	AB mm (in)
1	3P	30	48,99 (1,929) 47,37 (1,865)	46,18 (1,818) 44,45 (1,750)	36,58 (1,440) 29,08 (1,145)	5,03 (0,198) 3,76 (0,148)	19,3 (0,760) 18,8 (0,740)	6,76 (0,266) 6,55 (0,258)	28,32 (1,115) 25,53 (1,005)	–	6,99 (0,275) 5,72 (0,225)	44,04 (1,734) MIN.	3,05 (0,120) 2,03 (0,080)	2,64 (0,104) 0,66 (0,026)	19,05 (0,750) 6,35 (0,250)
2	2P+T	30	48,99 (1,929) 47,37 (1,865)	46,18 (1,818) 44,45 (1,750)	36,58 (1,440) 29,08 (1,145)	5,03 (0,198) 3,76 (0,148)	19,3 (0,760) 18,8 (0,740)	6,76 (0,266) 6,55 (0,258)	28,32 (1,115) 25,53 (1,005)	9,53 (0,375) 7,11 (0,280)	6,99 (0,275) 5,72 (0,225)	44,04 (1,734) MIN.	3,05 (0,120) 2,03 (0,080)	2,64 (0,104) 0,66 (0,026)	19,05 (0,750) 6,35 (0,250)
1	3P	100	66,19 (2,606) 61,19 (2,490)	62,25 (2,451) 60,15 (2,368)	62,25 (2,451) 60,15 (2,368)	9,8 (0,382) 7,62 (0,300)	26,52 (1,044) 25,96 (1,022)	12,32 (0,485) 11,35 (0,447)	50,67 (1,995) 48,44 (1,907)	–	7,62 (0,300) 5,21 (0,205)	90,09 (3,547) MIN.	4,45 (0,175) 3,43 (0,135)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)
2	2P+T	100	66,19 (2,606) 61,19 (2,490)	62,25 (2,451) 60,15 (2,368)	62,25 (2,451) 60,15 (2,368)	9,8 (0,382) 7,62 (0,300)	26,52 (1,044) 25,96 (1,022)	12,32 (0,485) 11,35 (0,447)	50,67 (1,995) 48,44 (1,907)	27,94 (1,100) 22,23 (0,875)	7,62 (0,300) 5,21 (0,205)	90,09 (3,547) MIN.	4,45 (0,175) 3,43 (0,135)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)

Table C1.4
See [Figure C1.4](#)

STYLE	KIND	CURRENT A	a (ø) mm (in)	b mm (in)	c (ø) mm (in)	d1 mm (in)	d2 mm (in)	e (ø) mm (in)	f (Ø) mm (in)	g (ø) mm (in)	h mm (in)	i mm (in)	j mm (in)	l mm (in)	m mm (in)	n mm (in)	aa mm (in)	ab mm (in)
1	3P	30	47,37 (1,865) 46,94 (1,848)	44,96 (1,770) 44,32 (1,745)	39,12 (1,540) 37,08 (1,460)	5,59 (0,220) 5,05 (0,199)	5,21 (0,205) 4,95 (0,195)	19,3 (0,760) 18,8 (0,740)	4,85 (0,191) 4,72 (0,186)	6,43 (0,253) 6,27 (0,247)	2,41 (0,095) 0,13 (0,005)	–	23,42 (0,922) 16,26 (0,640)	36,45 (1,435) MIN.	42,04 (1,655) 41,17 (1,621)	0,053 (0,021) 0,0 (0,000)	2,72 (0,107) 0,28 (0,011)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	2P+T	30	47,37 (1,865) 46,94 (1,848)	44,96 (1,770) 44,32 (1,745)	39,12 (1,540) 37,08 (1,460)	5,59 (0,220) 5,05 (0,199)	5,21 (0,205) 4,95 (0,195)	19,3 (0,760) 18,8 (0,740)	4,85 (0,191) 4,72 (0,186)	6,43 (0,253) 6,27 (0,247)	2,41 (0,095) 0,13 (0,005)	11,3 (0,445) 9,02 (0,355)	23,42 (0,922) 16,26 (0,640)	36,45 (1,435) MIN.	42,04 (1,655) 41,17 (1,621)	0,053 (0,021) 0,0 (0,000)	2,72 (0,107) 0,28 (0,011)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
1	3P	100	63,12 (2,485) 62,48 (2,460)	60,07 (2,365) 59,41 (2,339)	53,59 (2,110) 51,56 (2,030)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	26,52 (1,044) 25,96 (1,022)	8,00 (0,315) 7,9 (0,311)	11,23 (0,442) 10,97 (0,432)	12,57 (0,495) 10,03 (0,395)	–	40,94 (1,612) 38,4 (1,512)	83,95 (3,305) MIN.	88,52 (3,485) 86,92 (3,422)	4,09 (0,161) 1,5 (0,059)	2,79 (0,110) 0,66 (0,026)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	2P+T	100	63,12 (2,485) 62,48 (2,460)	60,07 (2,365) 59,41 (2,339)	53,59 (2,110) 51,56 (2,030)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	26,52 (1,044) 25,96 (1,022)	8,00 (0,315) 7,9 (0,311)	11,23 (0,442) 10,97 (0,432)	12,57 (0,495) 10,03 (0,395)	25,02 (0,985) 24,71 (0,973)	40,94 (1,612) 38,4 (1,512)	83,95 (3,305) MIN.	88,52 (3,485) 86,92 (3,422)	4,09 (0,161) 1,5 (0,059)	2,79 (0,110) 0,66 (0,026)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)

Table C1.5
See [Figure C1.5](#)

STYLE	KIND	CURRENT A	A (Ø)	B	C (Ø)	D	E (Ø)	G (Ø)	J	K	L	M	Q	AA	AB
1	3P	60	59,92 (2,359) 56,9 (2,240)	56,36 (2,219) 53,75 (2,116)	40,64 (1,600) 38,48 (1,515)	9,78 (0,385) 7,98 (0,314)	22,5 (0,886) 22 (0,866)	9,96 (0,392) 9,68 (0,381)	40,87 (1,609) 37,21 (1,465)	–	9,12 (0,359) 5,44 (0,214)	73,43 (2,891) MIN.	2,54 (0,100) 3,56 (0,140)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)
2	2P+T	60	59,92 (2,359) 56,9 (2,240)	56,336 (2,219) 53,75 (2,116)	40,64 (1,600) 38,48 (1,515)	9,78 (0,385) 7,98 (0,314)	22,5 (0,886) 22 (0,866)	9,96 (0,392) 9,68 (0,381)	40,87 (1,609) 37,21 (1,465)	21,82 (0,859) 19,18 (0,755)	9,12 (0,359) 5,44 (0,214)	73,43 (2,891) MIN.	2,54 (0,100) 3,56 (0,140)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)

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Table C1.6
See [Figure C1.6](#)

STYLE	KIND	CURRENT A	a (ø)	b	c (ø)	d1	d2	e (ø)	f (Ø)	g (ø)	h	i	j	K	l	m	n	aa	ab
1	3P	60	56,87 (2,239) 56,39 (2,220)	53,7 (2,114) 52,81 (2,079)	48 (1,890) 42,42 (1,670)	10,16 (0,400) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	22,5 (0,886) 22 (0,866)	6,43 (0,253) 6,32 (0,249)	9,6 (0,378) 9,27 (0,365)	13,46 (0,530) 9,73 (0,383)	–	35,94 (1,415) 33 (1,300)	–	66,42 (2,615) MIN.	70,23 (2,765) 67,87 (2,672)	3,3 (0,130) 0,071 (0,028)	2,54 (0,100) 0,51 (0,020)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	2P+T	60	56,87 (2,239) 56,39 (2,220)	53,7 (2,114) 52,81 (2,079)	48 (1,890) 42,42 (1,670)	10,16 (0,400) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	22,5 (0,886) 22 (0,866)	6,43 (0,253) 6,32 (0,249)	9,6 (0,378) 9,27 (0,365)	13,46 (0,530) 9,73 (0,383)	24,82 (0,977) 23,95 (0,943)	35,94 (1,415) 33 (1,300)	57,81 (2,276) 52,07 (2,050)	66,42 (2,615) MIN.	70,23 (2,765) 67,87 (2,672)	0,130 1,47 (0,058)	2,54 (0,100) 0,51 (0,020)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)

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Table C1.7
See [Figure C1.7](#)

STYLE	KIND	CURRENT A	A (Ø) mm (in)	B mm (in)	C (Ø) mm (in)	D mm (in)	E (Ø) mm (in)	G (Ø) mm (in)	J mm (in)	K mm (in)	L mm (in)	M mm (in)	Q mm (in)	AA mm (in)	AB mm (in)
1	4P	30	48,99 (1,929) 47,37 (1,865)	46,18 (1,818) 44,45 (1,750)	36,58 (1,440) 29,08 (1,145)	5,03 (0,198) 3,76 (0,148)	19,18 (0,755) 18,92 (0,745)	6,76 (0,266) 6,55 (0,258)	28,32 (1,115) 25,53 (1,005)	–	6,99 (0,275) 5,72 (0,225)	44,04 (1,734) MIN.	3,05 (0,120) 2,03 (0,080)	2,64 (0,104) 0,66 (0,026)	19,05 (0,750) 6,35 (0,250)
2	3P+T	30	48,99 (1,929) 47,37 (1,865)	46,18 (1,818) 44,45 (1,750)	36,58 (1,440) 29,08 (1,145)	5,03 (0,198) 3,76 (0,148)	19,18 (0,755) 18,92 (0,745)	6,76 (0,266) 6,55 (0,258)	28,32 (1,115) 25,53 (1,005)	9,53 (0,375) 7,11 (0,280)	6,99 (0,275) 5,72 (0,225)	44,04 (1,734) MIN.	3,05 (0,120) 2,03 (0,080)	2,64 (0,104) 0,66 (0,026)	19,05 (0,750) 6,35 (0,250)
1	4P	60	67,13 (2,643) 65,02 (2,560)	63,63 (2,505) 61,6 (2,425)	50,19 (1,976) 47,09 (1,854)	9,78 (0,385) 7,98 (0,314)	28,85 (1,136) 28,45 (1,120)	9,96 (0,392) 9,67 (0,381)	40,87 (1,609) 37,21 (1,465)	–	9,12 (0,359) 5,44 (0,214)	73,43 (2,891) MIN.	3,56 (0,140) 2,54 (0,100)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)
2	3P+T	60	67,13 (2,643) 65,02 (2,560)	63,63 (2,505) 61,6 (2,425)	50,19 (1,976) 47,09 (1,854)	9,78 (0,385) 7,98 (0,314)	28,85 (1,136) 28,45 (1,120)	9,96 (0,392) 9,67 (0,381)	40,87 (1,609) 37,21 (1,465)	21,82 (0,859) 19,17 (0,755)	9,12 (0,359) 5,44 (0,214)	73,43 (2,891) MIN.	3,56 (0,140) 2,54 (0,100)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)

Table C1.8
See [Figure C1.8](#)

STYLE	KIND	CURRENT A	a (ø) mm (in)	b mm (in)	c (ø) mm (in)	d1 mm (in)	d2 mm (in)	e (ø) mm (in)	f (Ø) mm (in)	g (ø) mm (in)	h mm (in)	i mm (in)	j mm (in)	K mm (in)	l mm (in)	m mm (in)	n mm (in)	aa mm (in)	ab mm (in)
1	4P	30	47,37 (1,865) 46,94 (1,848)	44,96 (1,770) 44,32 (1,745)	39,12 (1,540) 37,08 (1,460)	5,59 (0,220) 5,05 (0,199)	5,21 (0,205) 4,95 (0,195)	19,18 (0,755) 18,92 (0,745)	4,85 (0,191) 4,72 (0,186)	6,43 (0,253) 6,27 (0,247)	2,41 (0,095) 0,13 (0,005)	–	23,42 (0,922) 16,26 (0,640)	–	36,45 (1,435) MIN.	42,04 (1,655) 41,17 (1,621)	0,053 (0,021) 0,0 (0,000)	2,72 (0,107) 0,28 (0,011)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	3P+T	30	47,37 (1,865) 46,94 (1,848)	44,96 (1,770) 44,32 (1,745)	39,12 (1,540) 37,08 (1,460)	5,59 (0,220) 5,05 (0,199)	5,21 (0,205) 4,95 (0,195)	19,18 (0,755) 18,92 (0,745)	4,85 (0,191) 4,72 (0,186)	6,43 (0,253) 6,27 (0,247)	2,41 (0,095) 0,13 (0,005)	11,3 (0,445) 9,02 (0,355)	23,42 (0,922) 16,26 (0,640)	40,39 (1,590) 36,45 (1,435)	36,45 (1,435) MIN.	42,04 (1,655) 41,17 (1,621)	0,053 (0,021) 0,0 (0,000)	2,72 (0,107) 0,28 (0,011)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
1	4P	60	64,82 (2,552) 63,75 (2,510)	61,54 (2,423) 60,96 (2,400)	55,17 (2,172) 50,34 (1,982)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	28,85 (1,136) 28,45 (1,120)	31,83 (0,253) 31,72 (0,249)	9,6 (0,378) 9,27 (0,365)	12,95 (0,510) 4,65 (0,183)	–	35,94 (1,415) 33 (1,300)	–	66,42 (2,615) MIN.	70,23 (2,765) 67,87 (2,672)	3,3 (0,130) 1,73 (0,068)	2,54 (0,100) 0,51 (0,020)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	3P+T	60	64,82 (2,552) 63,75 (2,510)	61,54 (2,423) 60,96 (2,400)	55,17 (2,172) 50,34 (1,982)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	28,85 (1,136) 28,45 (1,120)	31,83 (0,253) 31,72 (0,249)	9,6 (0,378) 9,27 (0,365)	12,95 (0,510) 4,65 (0,183)	24,82 (0,977) 21,41 (0,843)	35,94 (1,415) 33 (1,300)	57,81 (2,276) 52,1 (2,050)	66,42 (2,615) MIN.	70,23 (2,765) 67,87 (2,672)	3,3 (0,130) 1,73 (0,068)	2,54 (0,100) 0,51 (0,020)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)

Table C1.9
See [Figure C1.9](#)

STYLE	KIND	CURRENT A	A (Ø) mm (in)	B mm (in)	C (Ø) mm (in)	D mm (in)	E (Ø) mm (in)	G (Ø) mm (in)	J mm (in)	K mm (in)	L mm (in)	M mm (in)	Q mm (in)	AA mm (in)	AB mm (in)
1	4P	100	72,36 (2,849) 69,6 (2,740)	68,58 (2,700) 66,5 (2,618)	56,64 (2,230) 54,74 (2,155)	9,7 (0,382) 8,13 (0,320)	31,88 (1,255) 31,62 (1,245)	12,32 (0,485) 11,35 (0,447)	50,67 (1,995) 48,44 (1,907)	–	7,62 (0,300) 5,21 (0,205)	90,09 (3,547) MIN.	4,45 (0,175) 3,43 (0,135)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)
2	3P+T	100	72,36 (2,849) 69,6 (2,740)	68,58 (2,700) 66,5 (2,618)	56,64 (2,230) 54,74 (2,155)	9,7 (0,382) 8,13 (0,320)	31,88 (1,255) 31,62 (1,245)	12,32 (0,485) 11,35 (0,447)	50,67 (1,995) 48,44 (1,907)	27,94 (1,100) 22,23 (0,875)	7,62 (0,300) 5,21 (0,205)	90,09 (3,547) MIN.	4,45 (0,175) 3,43 (0,135)	3,3 (0,130) 1,14 (0,045)	38,1 (1,500) 6,35 (0,250)

Table C1.10
See [Figure C1.10](#)

STYLE	KIND	CURRENT A	a (ø) mm (in)	b mm (in)	c (ø) mm (in)	d1 mm (in)	d2 mm (in)	e (ø) mm (in)	f (Ø) mm (in)	g (ø) mm (in)	h mm (in)	i mm (in)	j mm (in)	K mm (in)	l mm (in)	m mm (in)	n mm (in)	aa mm (in)	ab mm (in)
1	4P	100	69,47 (2,735) 68,91 (2,713)	66,42 (2,615) 65,63 (2,584)	59,92 (2,359) 57,33 (2,257)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	31,88 (1,255) 31,62 (1,245)	8 (0,315) 7,9 (0,311)	11,23 (0,442) 10,97 (0,432)	12,57 (0,495) 9,78 (0,385)	—	40,94 (1,612) 38,4 (1,512)	—	78,9 (3,106) MIN.	88,52 (3,485) 86,92 (3,422)	4,09 (0,161) 1,47 (0,058)	2,79 (0,110) 0,66 (0,026)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)
2	3P+T	100	69,47 (2,735) 68,91 (2,713)	66,42 (2,615) 65,63 (2,584)	59,92 (2,359) 57,33 (2,257)	10,67 (0,420) 9,78 (0,385)	9,14 (0,360) 8,64 (0,340)	31,88 (1,255) 31,62 (1,245)	8 (0,315) 7,9 (0,311)	11,23 (0,442) 10,97 (0,432)	12,57 (0,495) 10,03 (0,395)	25,02 (0,985) 22,17 (0,873)	40,94 (1,612) 38,4 (1,512)	75,59 (2,976) 64,64 (2,545)	78,9 (3,106) MIN.	88,52 (3,485) 86,92 (3,422)	4,09 (0,161) 1,47 (0,058)	2,79 (0,110) 0,66 (0,026)	1,27x20° (0,05x20°) 2,54x40° (0,10x40°)

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Table C2.1
See [Figure C2.1](#)

mm	inches	mm	inches
35,99	1,417	+0,00 -1,50	+0,000 -0,059
28,91 ±0,20	0,138 ±0,008	—	—
44,30	1,744	+0,41 -0,00	+0,016 -0,000
47,50	1,870	+0,61 -0,00	+0,024 -0,000
17,50 ±0,51	0,689 ±0,020	—	—
7,00	0,2756	—	—
1,19 0,41	0,047 0,016	—	—
2,00	0,079	+0,00 -0,61	+0,000 -0,039
3,81	0,150	+3,00 -0,00	+0,118 -0,000
10,00	0,394	—	—
0,51	0,020	—	—
11,61	0,457	+0,99 0,00	+0,039 -0,000
5,99	0,236	+0,61 -0,00	+0,024 -0,000
11,00	0,433	—	—
8,00	0,315	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+0,99 -0,00	+0,039 -0,000
9,50	0,374	+0,99 -0,00	+0,039 -0,020
37,00	1,457	—	—
0,51	0,020	—	—
19,51	0,768	+0,99 -0,51	+0,039 -0,020
38,00	1,496	—	—
5,00	0,1969	—	—
0,79 0,30	0,031 0,012	—	—

Table C2.2
See [Figure C2.2](#)

mm	inches	mm	inches
3,51	0,138	—	—
0,51	0,020	—	—
1 ±0,51	0,039 ±0,020	—	—
11,00	0,433	—	—
10,00	0,394	—	—

Table C2.2 Continued on Next Page

Table C2.2 Continued

mm	inches	mm	inches
37,00	1,457	+0,00 -1,00	+0,000 -0,039
36,00	1,417	+0,00 -1,00	+0,000 -0,039
38,00	1,496	+0,00 -1,00	+0,000 -0,039
24,00	0,945	+1,00 -0,00	+0,039 -0,000
27,51	1,083	+1,00 -0,00	+0,039 -0,00
37,00	1,457	+0,00 -0,99	+0,000 -0,039
1,50 0,76	0,059 0,030	—	—
7,00	0,2756	+0,00 -0,09	+0,0000 -0,0035
17,50 ±0,51	0,698 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
37,90	1,492	+1,91 -0,00	+0,075 -0,000
37,90	1,492	+1,50 -0,00	+0,059 -0,000
47,50	1,870	—	—
43,48	1,712	+0,00 -0,61	+0,000 -0,024
46,99	1,850	+0,00 -0,41	+0,000 -0,016
46,51	1,831	+0,00 -0,41	+0,000 -0,024
1,70 0,79	0,067 0,031	—	—
5,00	0,1969	+0,00 -0,08	+0,0000 -0,0030

Table C2.3
See [Figure C2.3](#)

mm	inches	mm	inches
40,79	1,606	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	—	—
50,39	1,948	+0,51 -0,00	+0,020 -0,000
54,00	2,126	+0,61 -0,00	+0,024 -0,000
21,49 ±0,51	0,846 ±0,020	—	—
7,00	0,2756	—	—
1,19 0,41	0,047 0,016	—	—
16,00	0,630	+1,00	+0,039

Table C2.3 Continued on Next Page

Table C2.3 Continued

mm	inches	mm	inches
		-0,51	-0,020
2,00	0,079	+0,00 -1,00	+0,000 -0,039
3,81	0,150	+3,00 -0,00	+0,118 -0,000
10,00	0,394	—	—
0,51	0,020	—	—
11,61	0,457	+1,00 -0,00	+0,039 -0,000
6,00	0,236	+0,61 -0,00	+0,024 -0,000
11,00	0,433	—	—
8,00	0,315	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
37,00	1,457	—	—
0,51	0,020	—	—
19,51	0,768	+1,00 -0,51	+0,039 -0,020
38,00	1,496	—	—
5,00	0,1969	—	—
0,79 0,30	0,031 0,012	—	—

Table C2.4
See [Figure C2.4](#)

mm	inches	mm	inches
3,51	0,138	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
11,00	0,433	—	—
10,00	0,394	—	—
37,00	1,457	+0,00 -1,00	+0,000 -0,039
36,00	1,417	+0,00 -1,00	+0,000 -0,039
38,00	1,496	+0,00 -1,00	+0,000 -0,039
24,00	0,945	+1,00 -0,00	+0,039 -0,000
27,51	1,083	+1,00 -0,00	+0,039 -0,000
37,00	1,457	+0,00 -0,99	+0,000 -0,039

Table C2.4 Continued on Next Page

Table C2.4 Continued

mm	inches	mm	inches
1,50 0,76	0,059 0,030	—	—
7,00	0,2756	+0,00 -0,09	+0,0000 -0,0035
21,49 ±0,51	0,846 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
42,80	1,685	+1,91 -0,00	+0,075 -0,000
42,80	1,685	+1,50 -0,00	+0,059 -0,000
53,49	2,106	—	—
49,50	1,949	+0,00 -0,61	+0,000 -0,024
53,90	2,110	+0,00 -0,51	+0,000 -0,020
52,91	2,083	+0,00 -0,51	+0,000 -0,020
1,70 0,79	0,067 0,031	—	—
5,00	0,1969	+0,00 -0,08	+0,0000 -0,0030

Table C2.5
See [Figure C2.5](#)

mm	inches	mm	inches
46,41	1,827	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	—	—
57,30	2,256	+0,61 -0,00	+0,024 -0,000
61,29	2,413	+0,61 -0,00	+0,024 -0,000
26,49 ±0,51	1,043 ±0,020	—	—
7,00	0,2756	—	—
1,19 0,41	0,047 0,016	—	—
16,00	0,630	+1,00 -0,51	+0,039 -0,020
2,00	0,079	+0,00 -1,00	+0,000 -0,039
3,81	0,150	+3,00 -0,00	+0,118 -0,000
10,00	0,394	—	—
0,51	0,020	—	—
11,61	0,457	+1,00 -0,00	+0,039 -0,000
6,00	0,236	+0,61 -0,00	+0,024 -0,000

Table C2.5 Continued on Next Page

Table C2.5 Continued

mm	inches	mm	inches
11,00	0,433	—	—
8,00	0,315	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
37,00	1,457	—	—
0,51	0,020	—	—
19,51	0,768	+1,00 -0,51	+0,039 -0,020
38,00	1,496	—	—
5,00	0,1969	—	—
0,79 0,30	0,031 0,012	—	—

Table C2.6
See [Figure C2.6](#)

mm	inches	mm	inches
3,51	0,138	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
11,00	0,433	—	—
10,00	0,394	—	—
37,00	1,457	+0,00 -1,00	+0,000 -0,039
36,00	1,417	+0,00 -1,00	+0,000 -0,039
38,00	1,496	+0,00 -1,00	+0,000 -0,039
24,00	0,945	+1,00 -0,00	+0,039 -0,000
27,51	1,083	+1,00 -0,00	+0,039 -0,00
37,00	1,457	+0,00 -0,99	+0,000 -0,039
1,70 0,76	0,067 0,030	—	—
7,00	0,2756	+0,00 -0,09	+0,0000 -0,0035
26,49 ±0,51	1,043 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
48,79	1,921	+1,91 -0,00	+0,075 -0,000
48,79	1,921	+1,50 -0,00	+0,059 -0,000
60,50	2,382	—	—

Table C2.6 Continued on Next Page

Table C2.6 Continued

mm	inches	mm	inches
56,11	2,209	+0,00 -0,79	+0,000 -0,031
61,01	2,402	+0,00 -0,61	+0,000 -0,024
60,10	2,366	+0,00 -0,61	+0,000 -0,024
1,50 0,79	0,059 0,031	—	—
5,00	0,1969	+0,00 -0,08	+0,0000 -0,0030

Table C2.7
See [Figure C2.7](#)

mm	inches	mm	inches
46,99	1,850	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	—	—
58,60	2,307	+0,61 -0,00	+0,024 -0,000
64,59	2,543	+0,61 -0,00	+0,024 -0,000
24,99 ±0,51	0,984 ±0,020	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—
3,00	0,118	+0,00 -1,00	+0,000 -0,039
5,31	0,209	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
13,50	0,535	+1,00 -0,00	+0,039 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
13,00	0,512	—	—
9,09	0,358	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
45,00	1,772	—	—
0,51	0,020	—	—
21,46	0,846	+1,00 -0,51	+0,039 -0,020
48,00	1,890	—	—
6,00	0,2362	—	—
1,00 0,30	0,039 0,012	—	—

Table C2.8
See [Figure C2.8](#)

mm	inches	mm	inches
5,00	0,197	–	–
0,51	0,020	–	–
1,00 ±0,51	0,039 ±0,020	–	–
12,00	0,472	–	–
13,00	0,512	–	–
46,00	1,811	+0,00 -1,00	+0,000 -0,039
45,00	1,772	+0,00 -1,00	+0,000 -0,039
32,00	1,260	+1,00 -0,00	+0,039 -0,000
35,50	1,398	+1,00 -0,00	+0,039 -0,000
46,00	1,811	+0,00 -1,00	+0,000 -0,039
2,49 1,19	0,098 0,047	–	–
8,00	0,315	+0,00 -0,09	+0,0000 -0,0035
25,00 ±0,51	0,984 ±0,020	–	–
3,00 ±0,20	0,118 ±0,008	–	–
49,71	1,957	+1,91 -0,00	+0,075 -0,000
49,71	1,957	+1,60 -0,00	+0,063 -0,000
61,49	2,421	–	–
57,30	2,256	+0,00 -0,79	+0,000 -0,031
63,20	2,488	+0,00 -0,61	+0,000 -0,024
2,00 1,00	0,079 0,039	–	–
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030

Table C2.9
See [Figure C2.9](#)

mm	inches	mm	inches
46,99	1,850	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	–	–
58,60	2,307	+0,61 -0,00	+0,024 -0,000
64,59	2,543	+0,61 -0,00	+0,024 -0,000
24,99 ±0,51	0,984 ±0,020	–	–
8,00	0,3150	–	–

Table C2.9 Continued on Next Page

Table C2.9 Continued

mm	inches	mm	inches
1,50 0,51	0,059 0,020	—	—
16,00	0,630	+1,00 -0,51	+0,039 -0,020
3,00	0,118	+0,00 -1,00	+0,000 -0,039
5,31	0,209	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
13,59	0,535	+1,00 -0,00	+0,039 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
13,00	0,512	—	—
9,09	0,358	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
45,00	1,772	—	—
0,51	0,020	—	—
21,49	0,846	+1,00 -0,51	+0,039 -0,020
48,00	1,890	—	—
6,00	0,2362	—	—
1,00 0,30	0,039 0,012	—	—

Table C2.10
See [Figure C2.10](#)

mm	inches	mm	inches
5,00	0,197	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
12,00	0,472	—	—
13,00	0,512	—	—
46,00	1,811	+0,00 -1,00	+0,000 -0,039
45,00	1,772	+0,00 -1,00	+0,000 -0,039
32,00	1,260	+1,00 -0,00	+0,039 -0,000
35,50	1,398	+1,00 -0,00	+0,039 -0,000
46,00	1,811	+0,00	+0,000

Table C2.10 Continued on Next Page

Table C2.10 Continued

mm	inches	mm	inches
		-1,00	-0,039
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035
25,00 ±0,51	0,984 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
49,71	1,957	+1,91 -0,00	+0,075 -0,000
49,71	1,957	+1,60 -0,00	+0,063 -0,000
61,49	2,421	—	—
57,30	2,256	+0,00 -0,79	+0,000 -0,031
63,20	2,488	+0,00 -0,61	+0,000 -0,024
2,00 1,00	0,079 0,039	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030

Table C2.11
See [Figure C2.11](#)

mm	inches	mm	inches
46,99	1,850	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	—	—
58,60	2,307	+0,61 -0,00	+0,024 -0,000
64,59	2,543	+0,61 -0,00	+0,024 -0,000
24,99 ±0,51	0,984 ±0,020	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—
3,00	0,118	+0,00 -1,00	+0,000 -0,039
5,31	0,209	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
13,59	0,535	+1,00 -0,00	+0,039 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
13,00	0,512	—	—
9,09	0,358	+0,61 -0,00	+0,024 -0,000

Table C2.11 Continued on Next Page

Table C2.11 Continued

mm	inches	mm	inches
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
45,00	1,772	—	—
0,51	0,020	—	—
21,49	0,846	+1,00 -0,51	+0,039 -0,020
48,00	1,890	—	—
6,00	0,2362	—	—
1,00 0,30	0,039 0,012	—	—

Table C2.12
See [Figure C2.12](#)

mm	inches	mm	inches
4,83	0,190	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
12,00	0,472	—	—
13,00	0,512	—	—
46,00	1,811	+0,00 -1,00	+0,000 -0,039
45,00	1,772	+0,00 -1,00	+0,000 -0,039
32,00	1,260	+1,00 -0,00	+0,039 -0,000
35,50	1,398	+1,00 -0,00	+0,039 -0,000
46,00	1,811	+0,00 -1,00	+0,000 -0,039
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035
25,00 ±0,51	0,984 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
49,71	1,957	+1,91 -0,00	+0,075 -0,000
49,71	1,957	+1,60 -0,00	+0,063 -0,000
61,49	2,421	—	—
57,30	2,256	+0,00 -0,79	+0,000 -0,031
63,20	2,488	+0,00 -0,61	+0,000 -0,024
2,00 1,00	0,079 0,039	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030

Table C2.13
See [Figure C2.13](#)

mm	inches	mm	inches
52,91	2,083	+0,00 -1,50	+0,000 -0,059
3,51 ±0,20	0,138 ±0,008	—	—
64,69	2,547	+0,61 -0,00	+0,024 -0,000
71,20	2,803	+0,61 -0,00	+0,024 -0,000
30,30	1,193 ±0,020	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—
16,00	0,630	+1,00 -0,51	+0,039 -0,020
3,00	0,118	+0,00 -1,00	+0,000 -0,039
5,31	0,209	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
13,59	0,535	+1,00 -0,00	+0,039 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
13,00	0,512	—	—
9,09	0,358	+0,61 -0,00	+0,024 -0,000
1,50	0,059	+1,00 -0,00	+0,039 -0,000
9,50	0,374	+1,00 -0,51	+0,039 -0,020
45,00	1,772	—	—
0,51	0,020	—	—
21,49	0,846	+1,00 -0,51	+0,039 -0,020
48,00	1,890	—	—
6,00	0,2362	—	—
1,00 0,30	0,039 0,012	—	—

Table C2.14
See [Figure C2.14](#)

mm	inches	mm	inches
5,00	0,197	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
12,00	0,472	—	—

Table C2.14 Continued on Next Page

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Table C2.14 Continued

mm	inches	mm	inches
13,00	0,512	—	—
46,00	1,811	+0,00 -1,00	+0,000 -0,039
45,00	1,772	+0,00 -1,00	+0,000 -0,039
32,00	1,260	+1,00 -0,00	+0,039 -0,000
35,50	1,398	+1,00 -0,00	+0,039 -0,000
46,00	1,811	+0,00 -1,00	+0,000 -0,039
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035
30,30 ±0,51	1,193 ±0,020	—	—
3,00 ±0,20	0,118 ±0,008	—	—
55,60	2,189	+1,91 -0,00	+0,075 -0,000
55,60	2,189	+1,60 -0,00	+0,063 -0,000
67,49	2,657	—	—
63,40	2,496	+0,00 -0,79	+0,000 -0,031
69,90	2,752	+0,00 -0,61	+0,000 -0,024
2,00 1,00	0,079 0,039	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030

Table C2.15
See [Figure C2.15](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
71,00	2,795	+0,79 -0,00	+0,031 -0,000
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000

Table C2.15 Continued on Next Page

Table C2.15 Continued

mm	inches	mm	inches
15,00	0,590	—	—
0,51	0,020	—	—
13,59	0,535	+1,00 -0,00	+0,039 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
9,00	0,354	+0,61 -0,00	+0,024 -0,000
15,09	0,594	—	—
11,00	0,433	+0,61 -0,00	+0,024 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	—	—
30,00	1,181	—	—
0,51	0,020	—	—
21,49	0,846	+1,00 -0,51	+0,039 -0,020
69,00	2,716	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—

Table C2.16
See [Figure C2.16](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
13,26	0,522	—	—
67,00	2,638	+0,00 -1,00	+0,000 -0,039
29,00	1,142	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00 -1,00	+0,000 -0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000
67,00	2,638	+0,00 -1,00	+0,000 -0,039
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

Table C2.16 Continued on Next Page

Table C2.16 Continued

mm	inches	mm	inches
4,00 ±0,20	0,157 ±0,008	–	–
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	–	–
2,49 1,19	0,098 0,047	–	–
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.17
See [Figure C2.17](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	–	–
71,00	2,795	+0,79 -0,00	+0,031 -0,000
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	–	–
10,00	0,3937	–	–
2,00 0,61	0,079 0,024	–	–
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000
15,00	0,590	–	–
0,51	0,020	–	–
9,00	0,354	+0,61 -0,00	+0,024 -0,000
7,00	0,276	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
9,00	0,354	+0,61 -0,00	+0,024 -0,000
15,09	0,594	–	–
11,00	0,433	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	–	–
30,00	1,181	–	–
0,51	0,020	–	–

Table C2.17 Continued on Next Page

Table C2.17 Continued

mm	inches	mm	inches
69,00	2,716	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—

Table C2.18
See [Figure C2.18](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
15,80	0,622	—	—
67,00	2,638	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00 1,00	+0,000 -0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000
4,00 ±0,20	0,157 ±0,008	—	—
61,49	2,421	+2,00 -0,00	+0,079 -0,000
69,49	2,736	+0,00 -0,08	+0,000 -0,031
75,49	2,972	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	—	—
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.19
See [Figure C2.19](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
71,00	2,795	+0,79 -0,00	+0,031 -0,000

Table C2.19 Continued on Next Page

Table C2.19 Continued

mm	inches	mm	inches
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
9,00	0,354	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
15,09	0,594	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	—	—
30,00	1,181	—	—
0,51	0,020	—	—
69,00	2,716	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—

Table C2.20
See [Figure C2.20](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
15,80	0,622	—	—
67,00	2,638	+0,00 -1,00	+0,000 -0,039
29,00	1,142	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00	+0,000

Table C2.20 Continued on Next Page

Table C2.20 Continued

mm	inches	mm	inches
		-1,00	-0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000
4,00 ±0,20	0,157 ±0,008	—	—
61,49	2,421	+2,00 -0,00	+0,079 -0,000
69,49	2,736	+0,00 -0,08	+0,000 -0,031
75,49	2,972	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	—	—
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.21
See [Figure C2.21](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
71,00	2,795	+0,79 -0,00	+0,031 -0,000
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
9,00	0,354	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
15,09	0,594	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000

Table C2.21 Continued on Next Page

Table C2.21 Continued

mm	inches	mm	inches
11,00	0,433	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	—	—
30,00	1,181	—	—
0,51	0,020	—	—
69,00	2,716	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—

Table C2.22
See [Figure C2.22](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
15,80	0,622	—	—
67,00	2,638	+0,00 -1,00	+0,000 -0,039
67,00	2,638	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00 -1,00	+0,000 -0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000
4,00 ±0,20	0,157 ±0,008	—	—
61,49	2,421	+2,00 -0,00	+0,079 -0,000
69,49	2,736	+0,00 -0,08	+0,000 -0,031
75,49	2,972	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	—	—
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.23
See [Figure C2.23](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
71,00	2,795	+0,79 -0,00	+0,031 -0,000
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
9,00	0,354	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
15,09	0,594	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	—	—
30,00	1,181	—	—
0,51	0,020	—	—
69,00	2,716	—	—
6,00	0,2362	—	—
1,00	0,039	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.24
See [Figure C2.24](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—

Table C2.24 Continued on Next Page

Table C2.24 Continued

mm	inches	mm	inches
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
15,80	0,622	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,11	+0,0000 -0,0043
67,00	2,638	+0,00 -1,00	+0,000 -0,039
67,00	2,638	+0,00 -1,00	+0,000 -0,039
29,00	1,142	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00 -1,00	+0,000 -0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000
2,00	0,079	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030
4,00 ±0,20	0,157 ±0,008	—	—
61,49	2,421	+2,00 -0,00	+0,079 -0,000
69,49	2,736	+0,00 -0,08	+0,000 -0,031
75,49	2,972	—	—
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	—	—
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.25
See [Figure C2.25](#)

mm	inches	mm	inches
59,99	2,362	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
71,00	2,795	+0,79 -0,00	+0,031 -0,000
77,50	3,051	+0,79 -0,00	+0,031 -0,000
36,50	1,437 ±0,020	—	—
8,00	0,3150	—	—
1,50 0,51	0,059 0,020	—	—

Table C2.25 Continued on Next Page

Table C2.25 Continued

mm	inches	mm	inches
2,49	0,098	+0,00 -1,00	+0,000 -0,039
8,00	0,315	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
9,00	0,354	+0,61 -0,00	+0,024 -0,000
16,61	0,654	+1,00 -0,00	+0,039 -0,000
15,09	0,594	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
67,00	2,638	—	—
30,00	1,181	—	—
0,51	0,020	—	—
69,00	2,716	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.26
See [Figure C2.26](#)

mm	inches	mm	inches
8,00	0,315	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
14,30	0,563	—	—
15,80	0,622	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,11	+0,0000 -0,0043
67,00	2,638	+0,00 -1,00	+0,000 -0,039
67,00	2,638	+0,00 -1,00	+0,000 -0,039
65,99	2,598	+0,00 -1,00	+0,000 -0,039
49,99	1,968	+2,00 -0,00	+0,079 -0,000

Table C2.26 Continued on Next Page

Table C2.26 Continued

mm	inches	mm	inches
4,00 ±0,20	0,157 ± 0,008	—	—
61,49	2,421	+2,00 -0,00	+0,079 -0,000
69,49	2,736	+0,00 -0,08	+0,000 -0,031
75,49	2,972	—	—
75,49	2,972	+0,00 -0,61	+0,000 -0,024
36,50 ±0,51	1,437 ±0,020	—	—
2,49 1,19	0,098 0,047	—	—
8,00	0,3150	+0,00 -0,09	+0,0000 -0,0035

Table C2.27
See [Figure C2.27](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
21,00	0,827	+1,00 -0,00	+0,039 -0,000
19,00	0,748	—	—
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—

Table C2.27 Continued on Next Page

Table C2.27 Continued

mm	inches	mm	inches
0,51	0,020	—	—
76,00	2,992	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.28
See [Figure C2.28](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—
4,00 2,00	0,157 0,079	—	—
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
31,50	1,240	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
2,00	0,079	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,50 -0,00	+0,098 -0,000
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	—	—
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

Table C2.29
See [Figure C2.29](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
21,00	0,827	+1,00 -0,00	+0,039 -0,000
19,00	0,748	—	—
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—
0,51	0,020	—	—
76,00	2,992	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.30
See [Figure C2.30](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—
4,00	0,157	—	—

Table C2.30 Continued on Next Page

Table C2.30 Continued

mm	inches	mm	inches
2,00	0,079		
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,50 -0,00	+0,098 -0,000
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	—	—
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

Table C2.31
See [Figure C2.31](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
21,00	0,827	+1,00 -0,00	+0,039 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
19,00	0,748	—	—

Table C2.31 Continued on Next Page

Table C2.31 Continued

mm	inches	mm	inches
7,00	0,276	+0,61 -0,00	+0,024 -0,000
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—
0,51	0,020	—	—
76,00	2,992	—	—
6,00	0,2362	—	—
1,00	0,039	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.32
See [Figure C2.32](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—
4,00 2,00	0,157 0,079	—	—
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
37,00	1,457	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
31,50	1,240	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
58,00	2,283	+2,00 -0,00	+0,079 -0,000
2,00	0,079	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,50 -0,00	+0,098 -0,000

Table C2.32 Continued on Next Page

Table C2.32 Continued

mm	inches	mm	inches
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	—	—
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

Table C2.33
See [Figure C2.33](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
21,00	0,827	+1,00 -0,00	+0,039 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
19,00	0,748	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—
0,51	0,020	—	—

Table C2.33 Continued on Next Page

Table C2.33 Continued

mm	inches	mm	inches
76,00	2,992	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.34
See [Figure C2.34](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—
4,00 2,00	0,157 0,079	—	—
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
58,00	2,283	+2,00 -0,00	+0,079 -0,000
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,00 -0,00	+0,079 -0,000
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	—	—
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	—	—
3,00 1,50	0,118 0,059	—	—
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

Table C2.35
See [Figure C2.35](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—

Table C2.35 Continued on Next Page

Table C2.35 Continued

mm	inches	mm	inches
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000
15,00	0,590	—	—
0,51	0,020	—	—
21,00	0,827	+1,00 -0,00	+0,039 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
19,00	0,748	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—
0,51	0,020	—	—
76,00	2,992	—	—
6,00	0,2362	—	—
1,00	0,039	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.36
See [Figure C2.36](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—

Table C2.36 Continued on Next Page

Table C2.36 Continued

mm	inches	mm	inches
4,00 2,00	0,157 0,079	—	—
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
31,50	1,240	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
58,00	2,283	+2,00 -0,00	+0,079 -0,000
2,00	0,079	—	—
6,00	0,2362	+0,00 -0,08	+0,0000 -0,0030
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,50 -0,00	+0,098 -0,000
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	—	—
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	—	—
3,00 1,50	0,118 0,059	—	—
9,50	0,3739	+0,00 -0,09	+0,0000 -0,0035

Table C2.37
See [Figure C2.37](#)

mm	inches	mm	inches
71,00	2,795	+0,00 -1,50	+0,000 -0,059
5,00 ±0,20	0,197 ±0,008	—	—
82,75	3,268	+0,79 -0,00	+0,031 -0,000
89,51	3,524	+0,79 -0,00	+0,031 -0,000
42,49	1,673 ±0,020	—	—
12,00	0,4724	—	—
2,49 0,79	0,098 0,031	—	—
4,00	0,157	+0,00 -1,00	+0,000 -0,039
10,00	0,394	+3,00 -0,00	+0,118 -0,000

Table C2.37 Continued on Next Page

Table C2.37 Continued

mm	inches	mm	inches
15,00	0,590	—	—
0,51	0,020	—	—
21,00	0,827	+1,00 -0,00	+0,039 -0,000
11,00	0,433	+0,61 -0,00	+0,024 -0,000
19,00	0,748	—	—
7,00	0,276	+0,61 -0,00	+0,024 -0,000
14,00	0,551	+0,61 -0,00	+0,024 -0,000
2,49	0,098	+1,00 -0,00	+0,039 -0,000
12,00	0,472	+1,00 -0,00	+0,039 -0,000
71,00	2,795	—	—
32,00	1,260	—	—
0,51	0,020	—	—
76,00	2,992	—	—
10,00	0,3937	—	—
2,00 0,61	0,079 0,024	—	—

Table C2.38
See [Figure C2.38](#)

mm	inches	mm	inches
10,00	0,394	—	—
0,51	0,020	—	—
1,00 ±0,51	0,039 ±0,020	—	—
18,21	0,717	—	—
20,19	0,795	—	—
4,00 2,00	0,157 0,079	—	—
12,00	0,4724	+0,00 -0,11	+0,0000 -0,0043
75,49	2,972	+0,00 -1,00	+0,000 -0,039
74,50	2,933	+0,00 -1,00	+0,000 -0,039
69,50	2,736	+0,00 -1,00	+0,000 -0,039
58,00	2,283	+2,00 -0,00	+0,079 -0,000
4,00 ±0,20	0,157 ±0,008	—	—
72,49	2,854	+2,50 -0,00	+0,098 -0,000

Table C2.38 Continued on Next Page

Table C2.38 Continued

mm	inches	mm	inches
81,51	3,209	+0,00 -0,08	+0,000 -0,0031
87,50	3,445	–	–
87,50	3,445	+0,00 -0,61	+0,000 -0,024
42,49 ±0,51	1,673 ±0,020	–	–
3,00 1,50	0,118 0,059	–	–
10,00	0,3937	+0,00 -0,09	+0,0000 -0,0035

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Table C3.3
See [Figure C3.3](#)

DIMENSIONS inches	A	B	C	D	E	F	G	R	S	T	U	V
20 A	2,260	1,844	0,179	0	0,945	0,602	0,375	0,060	0,950	0,134	0,275	0,169
30 A	2,260	1,844	0,179	0	0,945	0,602	0,375	0,060	0,950	0,134	0,275	0,169

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Table C3.5
See [Figure C3.5](#)

DIMENSIONS inches	A	B	C	D	E	F	G	H	R	S	T	U	V
30 A	2,260	2,350	1,811	1,012	0,226	1,250	1,313	0,282	0,357	0,170	1,558	0,125	2,244

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Table C3.6
See [Figure C3.6](#)

DIMENSIONS inches	A	B	C	D	E	F	G	H	R	S	T	U	V
30 A	0,323	1,890	1,536	0,228	0,197	0,236	0,315	1,102	0,315	0,197	1,378	0,025	0,165

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Table C3.9
See [Figure C3.9](#)

DIMENSIONS: (inches)

DS	DR	A	B	C	D	E	F	G	Q	R	S	T	U
20 A	N/A	2,603	2,128	1,603	1,531	0,263	1,780	1,181	1,683	0,195	0,315	0,100	1,531
30 A	50	3,035	2,540	1,793	1,917	0,282	2,110	1,556	1,980	0,196	0,472	0,100	1,465
60 A	90	3,695	3,005	2,107	2,035	0,307	2,560	1,760	2,775	0,359	0,592	0,130	1,732
100 A	150	4,311	3,780	2,912	2,915	0,433	3,280	2,185	3,575	0,354	0,709	0,130	2,748
200 A	N/A	4,800	4,352	2,941	2,910	0,545	3,518	2,283	3,793	0,480	0,868	0,390	2,561

Table C3.10
See [Figure C3.10](#)

DIMENSIONS: (inches)

DS	DR	A	B	C	D	E	F	R	S	T	U	V
20 A	N/A	2,079	1,817	1,275	1.181	1,056	1,003	0,313	0,185	0,965	0,030	0,156
30 A	50	2,472	2,170	1,464	1.556	1,338	1,267	0,393	0,254	1,557	0,034	0,214
60 A	90	2,939	2,595	1,640	1.760	1,496	1,369	0,590	0,287	1,387	0,030	0,275
100 A	150	3,745	3,326	1,886	2.165	1,570	1,456	0,710	0,358	1,459	0,043	0,291
200 A	N/A	4,331	3,662	2,200	0.283	2,002	1,843	0,886	0,473	1,741	0,057	0,467

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Table C3.12
See [Figure C3.12](#)

DIMENSIONS: (inches)

TAMAÑOS	A	B	C	D	E	F	G	H	Q	R	S	T	U
30 A	2,038	2,540	3,142	2,741	2,322	0,208	1,339	0,354	2,468	0,197	0,394	0.105	1.400
60 A	2,468	3,035	3,662	2,970	2,543	0,314	1,614	0,472	2,665	0,362	0,572	0.285	1.506
100 A	3,205	3,930	4,567	3,944	3,907	0,369	2,087	0,524	4,255	0,356	0,750	0.423	2.495

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Table C3.13
See [Figure C3.13](#)

DIMENSIONS: (inches)

TAMAÑOS	A	B	C	D	E	F	R	S	T	U
30 A	2,474	2,144	2,850	1,339	2,166	2,098	1,155	0,394	3,348	0.197
60 A	2,985	2,555	2,985	1,614	2,510	2,390	1,195	0,571	3,636	0.310
100 A	3,643	3,265	3,661	2,087	N/A	2,548	1,995	0,748	4,646	0.350

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Table C3.14
See [Figure C3.14](#)

DIMENSIONS: (inches)

TAMAÑOS	A	B	C	D	E	F	G	H	I
PF 300	0,938	0,531		7,087	8,937	2,146	0,827	0,827	2,598
PF 400	0,938	0,531		7,087	8,937	2,146	0,827	0,827	2,598

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Table C3.15
See [Figure C3.15](#)

DIMENSIONS: (inches)

PF	A	B	C	D	E	F	G	H
300 A 600 A	4,724	0,827	0,827	8,898	10,323	0,781	2,250	1,375

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Table C3.17
See [Figure C3.17](#)

mm	inches
4,39	0,173
3,40	0,134

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Table C3.18
See [Figure C3.18](#)

DIMENSIONS inches	A	B	C	D	E	F	G	R	S	T	U
15A	1,954	1,651	1,212	0,025	0,085	0,502	0,787	0,275	0,191	0,846	0,060
20 A	1,954	1,651	1,212	0,025	0,085	0,502	0,787	0,275	0,191	0,846	0,060
30 A	1,954	1,651	1,212	0,025	0,085	0,502	0,787	0,275	0,191	0,846	0,060

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Table C3.19
See [Figure C3.19](#)

DIMENSIONS inches	A	B	C	D	E	F	G	R	S	T	U	V
15A	1,636	1,646	1,265	0,065	0,113	0,585	0,787	0,358	1,150	0,095	0,156	0,277
20 A	1,636	1,646	1,265	0,065	0,113	0,585	0,787	0,358	1,150	0,095	0,156	0,277
30 A	1,636	1,646	1,265	0,065	0,113	0,585	0,787	0,358	1,150	0,095	0,156	0,277

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Table C4.1
See [Figure C4.1](#)

CURRENT	A (Ø)	B	C1 Max.	C2 Max.	D	E	G	J	L	M Min.	Q	R	T	U	W	Z	AA	AB
30	1,915 1,870	1,785 1,770	1,465	1,565	0,198 0,143	0,392 0,382	0,267 0,257	1,120 1,075	0,320 0,350	1,750	0,125 0,050	0,786 0,776	0,388 0,378	0,150 0,090	0,255 0,245	0,505 0,495	0,090 0,060	0,750 0,250
60	2,640 2,560	2,505 2,435	1,950	2,160	0,360 0,314	0,409 0,399	0,392 0,382	1,725 1,675	0,975 0,925	2,800	0,150 0,090	0,910 0,900	0,414 0,404	0,185 0,125	0,358 0,348	0,711 0,701	0,070 0,050	1,500 0,250
100	2,840 2,750	2,705 2,615	2,170	2,350	0,360 0,320	0,493 0,483	0,452 0,442	2,020 1,970	1,205 1,155	3,500	0,175 0,115	1,092 1,082	0,518 0,508	0,200 0,140	0,355 0,345	0,705 0,695	0,070 0,050	1,500 0,250

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Table C4.2
See [Figure C4.2](#)

CURRENT	a (ø)	b	d1	d2	e	f	g	h	i	j	k	l Min.	m	n	r	t	u	w	z	aa	ab
30 A	1,865	1,768	0,220	0,205	0,392	0,191	0,263	0,100	0,100	0,735	1,575	1,429	1,651	0,030	0,786	0,333	0,060	0,255	0,505	0,06	0,05
	1,853	1,745	0,200	0,195	0,382	0,187	0,247	0,020	0,020	0,650	1,495		1,605	0,000	0,776	0,327	0,000	0,245	0,495	0,03	0,10
60 A	2,545	2,418	0,420	0,360	0,409	0,251	0,378	0,520	0,520	1,375	2,110	2,638	2,775	0,130	0,910	0,400	0,130	0,358	0,711	0,1	0,05
	2,535	2,400	0,385	0,340	0,399	0,249	0,370	0,445	0,445	1,230	2,033		2,725	0,120	0,900	0,393	0,120	0,348	0,701	0,06	0,10
100 A	2,735	2,607	0,420	0,495	0,360	0,3130	0,440	0,490	0,490	1,615	2,595	3,344	3,492	0,165	1,092	0,504	0,165	0,355	0,706	0,1	0,05
	2,725	2,590	0,385	0,485	0,340	0,3115	0,435	0,415	0,415	1,535	2,515		3,450	0,150	1,082	0,496	0,150	0,345	0,695	0,06	0,10

Table C4.3
See [Figure C4.3](#)

CURRENT	A (Ø)	B	C1 Max.	C2 Max.	D	E	G	J	K	L	M Min.	Q	R	T	U	Y	AA	AB
30	1,915 1,870	1,785 1,770	1,485	1,565	0,198 0,143	0,318 0,308	0,267 0,257	1,120 1,075	0,395 0,350	0,320 0,280	1,750	0,125 0,050	0,607 0,597	0,388 0,378	0,150 0,090	0,517 0,507	0,090 0,060	0,750 0,250
60	2,640 2,560	2,505 2,435	1,950	2,160	0,360 0,314	0,403 0,393	0,392 0,382	1,725 1,675	0,975 0,925	0,410 0,360	2,800	0,150 0,090	0,800 0,790	0,414 0,404	0,185 0,125	0,645 0,635	0,070 0,050	1,500 0,250
100	2,840 2,750	2,705 2,615	2,170	2,350	0,360 0,320	0,475 0,465	0,452 0,442	2,020 1,970	1,205 1,155	0,300 0,260	3,500	0,175 0,115	0,941 0,931	0,518 0,508	0,200 0,140	0,706 0,696	0,070 0,050	1,500 0,250

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Table C4.4
See [Figure C4.4](#)

CURRENT	a (ø)	b	d1	d2	e	f	g	h	i	j	k	l Min.	m	n	r	s	t	u	y	aa	ab
30 A	1,865	1,768	0,220	0,205	0,318	0,191	0,253	0,100	0,100	0,735	1,575	1,429	1,651	0,030	0,607	0,251	0,333	0,060	0,517	0,06	0,05
	1,853	1,745	0,200	0,195	0,308	0,187	0,247	0,020	0,020	0,650	1,495		1,605	0,000	0,597	0,249	0,327	0,000	0,507	0,03	0,10
60 A	2,545	2,418	0,420	0,360	0,403	0,251	0,378	0,520	0,520	1,375	2,110	2,638	2,775	0,130	0,800	0,3135	0,400	0,130	0,645	0,1	0,05
	2,535	2,400	0,385	0,340	0,393	0,249	0,370	0,445	0,445	1,230	2,033		2,725	0,120	0,790	0,3115	0,393	0,120	0,634	0,06	0,10
100 A	2,735	2,607	0,420	0,360	0,475	0,3135	0,440	0,490	0,490	1,615	2,595	3,344	3,492	0,165	0,941	0,376	0,504	0,165	0,706	0,1	0,05
	2,725	2,590	0,385	0,340	0,465	0,3115	0,435	0,415	0,415	1,535	2,515		3,450	0,150	0,931	0,374	0,496	0,150	0,696	0,06	0,10

Table C4.5
See [Figure C4.5](#)

CURRENT	A (Ø)	B	C1 Max.	C2 Max.	D	E	G	J	K	L	M Min.	Q	R	T	U	W	Y	Z	AA	AB
30	1,915 1,870	1,785 1,770	1,485	1,565	0,198 0,143	0,451 0,441	0,267 0,257	1,120 1,075	0,395 0,350	0,320 0,280	1,750	0,125 0,050	1,005 0,995	0,388 0,378	0,150 0,090	0,255 0,245	0,505 0,495	0,505 0,495	0,090 0,060	0,750 0,250
60	2,640 2,560	2,505 2,435	1,950	2,160	0,360 0,314	0,550 0,540	0,392 0,382	1,725 1,675	0,975 0,925	0,410 0,360	2,800	0,150 0,090	1,305 1,295	0,414 0,404	0,185 0,125	0,330 0,320	0,655 0,645	0,655 0,645	0,070 0,050	1,500 0,250
100	2,840 2,750	2,705 2,615	2,170	2,350	0,360 0,320	0,611 0,601	0,452 0,442	2,020 1,970	1,205 1,155	0,300 0,260	3,500	0,175 0,115	1,405 1,395	0,518 0,508	0,200 0,140	0,355 0,345	0,705 0,695	0,705 0,695	0,070 0,050	1,500 0,250

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Table C4.6
See [Figure C4.6](#)

CURRENT	a (ø)	b	d1	d2	e	f	g	h	i	j	k	l Min.	m	n	r	s	t	u	W	y	Z	aa	ab
30 A	1,865 1,853	1,768 1,745	0,220 0,200	0,205 0,195	0,451 0,441	0,191 0,187	0,253 0,247	0,100 0,020	0,100 0,020	0,735 0,650	1,575 1,495	1,429	1,651 1,605	0,030 0,000	1,005 0,995	0,251 0,249	0,333 0,327	0,060 0,000	0,255	0,517 0,507	0,505 0,495	0,06 0,03	0,05 0,10
60 A	2,545 2,535	2,418 2,400	0,420 0,385	0,360 0,340	0,550 0,540	0,251 0,249	0,378 0,370	0,520 0,445	0,520 0,445	1,375 1,230	2,110 2,033	2,638	2,775 2,725	0,130 0,120	1,305 1,295	0,313 5 0,311 5	0,400 0,393	0,130 0,120	0,245	0,645 0,634	0,655 0,645	0,1 0,06	0,05 0,10
100 A	2,735 2,725	2,607 2,590	0,420 0,385	0,360 0,340	0,611 0,601	0,3135 0,3115	0,440 0,435	0,490 0,415	0,490 0,415	1,615 1,535	2,595 2,515	3,344	3,492 3,450	0,165 0,150	1,405 1,395	0,376 0,374	0,504 0,496	0,165 0,150	0,330	0,706 0,696	0,705 0,695	0,1 0,06	0,05 0,10

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Table C5.1
See [Figure C5.1](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
50 A 250 V c.a.	1,880 1,870	1,635 1,630	0,878 0,872	1,823 1,813	0,162 0,182	0,246 0,244	0,308 0,306	0,574 0,524	0,645 0,635	1,939 1,909	1,288 1,162	1,092 1,037

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Table C5.2
See [Figure C5.2](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
50 A 250 V c.a.	1,880 1,870	1,635 1,630	0,878 0,872	1,805 1,795	0,162 0,182	0,246 0,244	0,308 0,306	0,559 0,535	0,635 0,135	1,926 1,916	1,202 1,151	1,077 1,026

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Table C5.3
See [Figure C5.3](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	H	I	J	K
50 A 250 V c.a.	1,843 1,841	1,653 1,647	0,878 0,872	1,784 1,765	0,238 0,218	0,251 0,249	0,314 0,310	0,216 0,080	0,574 0,524	1,591 1,551	1,956 1,950

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Table C5.4
See [Figure C5.4](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,623 1,593	1,293 1,287	0,753 0,747	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750	0,685 0,653
20 A 600 V c.a. 30 A 250 V	1,911 1,870	1,635 1,630	0,878 0,872	N/A	N/A	0,246 0,244	0,292 0,290	0,572 0,522	N/A	1,614 1,604	0,962 0,897	0,840 0,769

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Table C5.5
See [Figure C5.5](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,623 1,593	1,293 1,287	0,753 0,747	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750	0,685 0,653
20 A 600 V c.a. 30 A 250 V	1,911 1,870	1,635 1,630	0,878 0,872	N/A	N/A	0,246 0,244	0,292 0,290	0,572 0,522	N/A	1,614 1,604	0,962 0,897	0,840 0,769

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Table C5.6
See [Figure C5.6](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	H	I	J	K
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,578 1,568	1,415 1,392	0,753 0,747	1,540 1,520	0,216 0,156	0,218 0,215	0,281 0,279	0,091 0,003	1,013 0,957	1,202 1,172	1,426 1,416
20 A 600 V c.a. 30 A 250 V	1,858 1,848	1,661 1,651	0,878 0,872	N/A	N/A	0,250 0,248	0,296 0,294	0,158 0,134	1,137 1,081	N/A	1,644 1,634

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Table C5.7
See [Figure C5.7](#)

	A (Ø)	B (Ø)	C (Ø)	F (Ø)	G (Ø)	I	K	L	M
20 A 600 V c.a.	1,911	1,635	0,753	0,246	0,292	0,572	1,614	0,962	0,840
30A 250 V	1,870	1,630	0,747	0,244	0,290	0,522	1,604	0,897	0,769

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Table C5.8
See [Figure C5.8](#)

	A (Ø)	B (Ø)	C (Ø)	F (Ø)	G (Ø)	I	K	L	M
20 A 600 V c.a. 30A 250 V	1,911 1,870	1,635 1,630	0,753 0,747	0,246 0,244	0,292 0,290	0,572 0,522	1,614 1,604	0,962 0,897	0,840 0,769

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Table C5.9
See [Figure C5.9](#)

	A (Ø)	B (Ø)	C (Ø)	F (Ø)	G (Ø)	H	I	K
20 A 600 V c.a.	1,858	1,661	0,753	0,250	0,296	0,158	1,137	1,426
30A 250 V	1,848	1,651	0,747	0,248	0,294	0,134	1,081	1,416

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Table C5.10
See [Figure C5.10](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
15 A 250 V c.a. 20A 125 V	1,623 1,593	1,293 1,287	0,753 0,747	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750	0,685 0,653

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Table C5.11
See [Figure C5.11](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L	M
15 A 250 V c.a. 20A 125 V	1,623 1,593	1,293 1,287	0,753 0,747	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750	0,685 0,653

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Table C5.12
See [Figure C5.12](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	H	I	J	K
15 A 600 V c.a. 20A 250 V	1,578 1,548	1,415 1,392	0,753 0,747	1,540 1,520	0,216 0,156	0,218 0,216	0,281 0,279	0,091 0,003	1,015 0,957	1,202 1,172	1,426 1,416

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Table C5.13
See [Figure C5.13](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,623 1,593	1,293 1,287	0,659 0,653	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750
20 A 600 V c.a. 30 A 250 V	1,911 1,870	1,635 1,630	0,753 0,747	N/A	N/A	0,246 0,244	0,292 0,290	0,572 0,522	N/A	1,614 1,604	0,962 0,897

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Table C5.14
See [Figure C5.14](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	I	J	K	L
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,623 1,593	1,293 1,287	0,659 0,653	1,576 1,556	0,162 0,182	0,214 0,211	0,274 0,272	0,479 0,427	0,317 0,307	1,395 1,385	0,776 0,750
20 A 600 V c.a. 30 A 250 V	1,911 1,870	1,635 1,630	0,753 0,747	N/A	N/A	0,246 0,244	0,292 0,290	0,572 0,522	N/A	1,614 1,604	0,962 0,897

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Table C5.15
See [Figure C5.15](#)

	A (Ø)	B (Ø)	C (Ø)	D	E	F (Ø)	G (Ø)	H	I	J	K
10 A 250 V/600 c.a. 15 A 250 V c.a. 20 A 125 V	1,578 1,568	1,415 1,392	0,659 0,653	1,540 1,520	0,216 0,156	0,218 0,216	0,281 0,279	0,091 0,003	1,013 0,957	1,202 1,172	1,426 1,416
20 A 600 V c.a. 30 A 250 V	1,858 1,848	1,661 1,651	0,753 0,747	N/A	N/A	0,250 0,248	0,298 0,294	0,158 0,154	1,157 1,081	N/A	1,644 1,634

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