

**LIST OF MATERIALS**  
**Acceptable for Use on Systems**  
**of USDA Rural Development**  
**Electrification Borrowers**

**United States Department of Agriculture**  
**Rural Development Utilities Programs**  
**Electric Programs**

**Informational Publication 202-1**  
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**DISCLAIMER**

*Every effort has been made to ensure the accuracy of this document.  
However, in case of discrepancies, records of Technical Standards  
Committee "A" are the authoritative source.*

## Revision Summary

1. z(1) – Anchors, screw, power installed
  - a. Added Earth Contact Products
2. be(4.1) – Recloser, vacuum interruption with solid dielectric
  - a. Modified G&W Electric Company
    - i. upgraded from 12,000 amps to 16,000 amps
3. Ugn-2 – Enclosures, equipment
  - a. Modified Cooper Power Systems
    - i. added note regarding Clear SecTER
4. Uhp-1 – Terminations, elbow
  - a. Modified Cooper Power Systems
    - i. Added note indicating that termination are manufactured in the U.S. and Taiwan, which is an eligible country.
5. Uhq-3 – Terminations, multipoint
  - a. Modified Cooper Power Systems
    - i. Added 25kV Clear, LCN2DLJ625A

z – Anchors, screw, power installed

<u>Manufacturer</u>	<u>Conditions</u>
<u>Bathurst</u> BMS-003 (6,000 lbs.) BMS-003R (5/8" rod) BMS-004 (10,000 lbs.) BMS-004R (3/4" rod)	To obtain experience.
<u>Dixie</u> D-1162-G (6,000 & 8,000 lb., 5/8" rod) D-1375-G (10,000 & 12,000 lb., 3/4" rod)	To obtain experience.
<u>Earth Contact Products</u> TAPL-625-10-12 (6,000 lb., 5/8" rod) TAPL-100-10-14 (10,000 lb., 1" rod)	
<u>Foresight</u> MR-1, MR-2, MR-3, MR-4	To obtain experience. Each installation must be proof tested. Maximum rating is test value achieved.
<u>Hubbell (Chance)</u> 024462 (6,000 and 8,000 lb.) 12332P (5/8" rod) 12587 (5/8" thimbleye nut) 024484 (10,000 and 12,000 lb.) 12632P (3/4" rod) 6512 (3/4" thimbleye nut)	To obtain experience.
<u>Joslyn</u> J11B-CA (6,000 & 8,000 lb., 5/8" rod) J13C-CA (10,000 & 12,000 lb., 3/4" rod)	To obtain experience.

NOTES: Where galvanized anchors are listed, the same anchors ungalvanized (coated) are also acceptable.

Catalog numbers shown for screw anchors are for anchors with 1-3/8" hubs. Equivalent anchors with 1-1/2" hubs are also acceptable. (A special installing wrench is required.)

be - Recloser, vacuum interruption with solid dielectric

<u>Manufacturer</u>	<u>Conditions</u>
<u>G &amp; W Electric Company</u> Three phase, electronic, VIPER Series, vacuum interruption, solid dielectric, 800 amps maximum continuous, 16,000 amps RMS symmetrical interruption, 15.5 kV maximum for 12.5/7.2 kV, 27 kV maximum for 24.9/14.4 kV.	To obtain experience.
Single phase, electronic, Viper SP, vacuum interruption, solid dielectric, 800 amps maximum continuous, 12,500 amps RMS symmetrical interruption, 15.5 kV maximum for 12.5/7.2 kV, 27 kV maximum for 24.9/14.4 kV.	To obtain experience.
<u>Joslyn Hi-Voltage</u> Three-phase, Type TRIMOD 300 series, vacuum interruption, solid dielectric foam, 560 amps maximum continuous, 12000 amps RMS symmetrical interruption, 15.5 kV maximum for 12.5/7.2 kV, 27 kV maximum for 24.9/14.4 kV	To obtain experience.
Single-phase, Type TRIMOD 100 series, vacuum interruption, solid dielectric foam, 560 amps maximum continuous, 12500 amps RMS symmetrical interruption, 17.1 kV maximum for 12.5/7.2 kV, 29.3 kV maximum for 24.9/14.4 kV	To obtain experience.
<u>Siemens</u> Three phase, Type SDR Recloser, rated 800A maximum continuous, electronically controlled, vacuum interruption, solid dielectric, 12500 amps RMS symmetrical interruption for 15.5 kV, 16000 amps RMS symmetrical interruption for 27 kV, (15.5 kV maximum for 12.5/7.2 kV, 27 kV maximum for 24.9/14.4 kV)	To obtain experience.
<u>S&amp;C Electric Company</u> Three phase, IntelliRupter PulseCloser with vacuum interrupter, solid dielectric, 630 amps maximum continuous, 12,500 amps RMS symmetrical interruption, 15.5 kV maximum for 12.5/7.2 kV, 27 kV maximum for 24.9/14.4 kV.	To obtain experience.

NOTES:

1. Series trip reclosers with ratings greater than 100 amp for 12.5/7.2 kV application, greater than 200 amp for 24.9/14.4 kV application, and 280 amp for 34.5/19.9 kV application are acceptable only with ground trip device. Shunt trip reclosers without ground trip devices may not be used with trip settings higher than 200 amp for 12.5/7.2 kV application, greater than 400 amp for 24.9/14.4 kV application, and 560 amp for 34.5/19.9 kV application.
2. Reclosers are not acceptable with load current, bushing CT battery chargers.

U gn - Enclosures, Equipment

Sectionalizing Enclosures

<u>Manufacturer</u>	<u>Catalog No.</u>
<u>Brooks Utility Products Group</u>	<u>Single Phase</u> 750-7437-001, 750-7437-002, 750-7437-003, 750-7437-004 <u>Three Phase</u> 750-7438-001, 750-7438-002, 750-7438-003, 750-7438-004, 750-7438-005, 750-7438-006, 750-7438-007
<u>Cooper Power Systems</u>	SecTER Series I and II (Single-Phase and Three-Phase)*
<u>Durham</u>	AM Series
<u>Highline Products</u>	FSC-29 Single Phase FSC-32 Single Phase FSC-33 Single Phase FSC-55 Three Phase FSC-62 Three Phase FSC-65 Three Phase FSC-69 Three Phase FSC-71 Three Phase FSC-79 Three Phase FSC-85 Three Phase
<u>Maysteel</u>	CW200 Series CW300 Series
<u>Nordic</u>	ND-Series
<u>Power Design Inc.</u>	Type CJP series, single-phase and three-phase, 15 and 25 kV
<u>Rough Rider Industries</u>	Series RUF93
<u>Shallbetter</u>	SPMS Series (dead-front)

NOTE:

1. The above enclosures are available with various multipoint terminations. The owner should specify termination points to be provided.
2. These enclosures have been certified as meeting the requirements of ANSI C57.12.28. A copy of the certification is available from the manufacturer.

\* Also available as a Cleer SecTER cabinet with the Cleer, 600 amp load break connector assemblies installed for both 15 kV and 25 kV systems.

U hp - Terminations, Elbow  
(rated for switching on three-phase systems)

(When ordering, specify conductor size, type, whether copper or aluminum and insulation diameter)

<u>Manufacturer</u>	<u>Catalog Number</u>
<u>Cooper Power Systems</u>	15 kV, Loadbreak SBT IV LE215T Series with test point LE215 Series without test point LEJ215T Series with integrated jacket seal; with test point LEJ215 Series with integrated jacket seal; without test point <b>Note: LE215, LE215T manufactured in U.S.A. and Taiwan.</b> 25 kV, Loadbreak SBT LE225T Series with test point LE225 Series without test point LEJ225T Series with integrated jacket seal; with test point LEJ225 Series with integrated jacket seal; without test point
<u>Thomas &amp; Betts (Elastimold)</u>	15 kV loadbreak Style 165LR Series, without voltage test point Style 166LR Series, with voltage test point Style 165LRJS Series, without voltage test point, with integral jacket seal Style 166LRJS Series, with voltage test point, with integral jacket seal 25 kV loadbreak Style 275LR Series, without voltage test point Style 276LR Series, with voltage test point Style 275LRJS Series, without voltage test point, with integral jacket seal Style 276LRJS Series, with voltage test point, with integral jacket seal 35 kV loadbreak Style 375LR Series, without voltage test point Style 376LR Series, with voltage test point
<u>Hubbell (Chardon)</u>	15 kV, Loadbreak 9U01A--6--Series 25 kV, Loadbreak 9U01B--5--Series
<u>Richards Manufacturing Co.</u>	15 kV, Loadbreak Style 21LBN Series, without voltage test point Style 21LBT Series, with voltage test point

U hq - Terminations, Multipoint

600 Ampere Continuous Current Rating

<u>Manufacturer</u>	<u>Catalog Number</u>
<u>Cooper Power Systems</u>	15 kV, 25 kV Clear load break connector assembly Series LCN2DLJ615A, LCN2DLJ625A 15 kV and 25 kV 2-way, 3-way, and 4-way bushings Series DJ625A_ (with mounting bracket) Series DJ625A_B_ (without mounting bracket) 35 kV 2-way, 3-way, and 4-way bushings Series 2637195C (with mounting bracket) Series 2637184C (without mounting bracket)
<u>Elastimold (ESNA)</u>	15 kV 2-way bushing, 650J2 or 675J2 3-way bushing, 650J3 or 675J3 4-way bushing, 650J4 or 675J4 25 kV 2-way bushing, K650J2 or K675J2 3-way bushing, K650J3 or K675J3 4-way bushing, K650J4 or K675J4