CSA INTERNATIONAL

CERTIFICATION RECORD

The company named below has been authorized by CSA International to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings)

File No: 053787_C_000

Class No: 1422 02 FUSES High Rupturing Capacity (HRC) Type

SUBMITTOR

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SEE ALSO SATELLITE FACTORY FILES 214615, 226687, 095957_0_000

June 12, 2008(Replaces: September 6, 2006)

Note: Prototype verification and testing is conducted at the submittor's facility. The catalogue numbers listed below are products manufactured by the factory.

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- Type TCF, "CUBE" fuse, Special Purpose, Misc. Type HRC, 1-**100A**, 600V ac, IR600-200kA, 300V dc, IR300-100kA.

Fuses listed below comply with the latest requirements of CSA Std. Series C22.2 No. 248.

HRCI, non-renewable, cartridge type:

- Type FNQ-R, 600V, 0-30A, HRCI-Class CC, IR600-200kA.
- Type JHC and LPJ, LPJXXXSP, 600V, 1-12A, HRCI-J, IR600-200kA. HRCI, non-renewable, cartridge type:
- Type FRN-R, "Fusetron", 250V, 0-60A, Class R, RK5, IR250-200kA, IR125-20kA dc.
- Type ECNR, 0-600A, 250V, IR 250-200kA.
- Type ECSR, 0-600A, 600V, IR 600-200kA.
- Type FRS-R, "Fusetron", 600V, 0-60A, Class R, RK5, IR600-200kA, IR300-20kA dc.
- Type FRS-R, "Fusetron", 600V, 0-30A, Class R, RK5, IR600-200kA, IR300-20kA dc, time delay.
- Type DLS-R, "Fusetron", 600V, 0-30A, Class R, RK5, IR600-200kA, IR300-20kA dc, time delay.
- Type EXP66630, "Fusetron", 600V, 0-30A, Class R, IR600-200kA, time delay.
- Type LPN-RK, LPN-RKXXXSP with or without suffix TP, LENRK, "Low-Peak", 250V, 0-60A, Class R,IR250-200kA, Type "D".
- Type LPS-RK, LPS-RKXXXSP with or without suffix TP, LESRK, "Low-Peak", 600V, 0-60A, Class R,IR600-200kA.
- Type LPS-RK, LPS-RKXXXSP with or without suffix TP, "Low-Peak", 600V, 0-30A, Class R, IR600-200kA,Type "D".
- Type KTN-R, "Limitron", 250V, 0-60A, Class R, IR250-200kA.
- Type KTS-R, "Limitron", 600V, 0-60A, Class R, IR600-200kA.
- Type KTK-R, HCLR, 600V, 0-30A, HRC, Class CC, IR600-100kA.
- Type JKS, JCL, 600V, 0-60A, Class J, IR600-200kA. HRCII, non-renewable, cartridge type:
- Types DFJ Class J, 0-600A, 600V ac max, IR 600-200kA. Types DFJ Class J, 15-600A, 450V dc max, IR 450-100kA, non-renewable, cartridge type.
- Type CGL, 600V, 0-60A, Class C, IR600-200kA, 0-30A, 600V ac/250V dc, IR600-200kA, IR250-40kA.
- Type KTU, LCU, "Limitron", 601-6000A, 600V, HRC-L, IR600-200kA.
- Type KLU, "Limitron", 601-4000A, 600V, HRC-L, IR600-200kA.
- Type KRP-C, KRP-CXXXXSP, LCL, "HI-CAP", 601-6000A, 600V ac, 300V dc, HRC-L, IR600-200kA, IR300-100kA.

Non-renewable cartridge type:

- Type FRN-R, "Fusetron", 600A and less, 250V, HRCI-R, RK5, IR250-200kA, IR125-20kA dc, Type "D".
- Type DLN-R, "Fusetron", 600A and less, 250V, HRCI-R, RK5, IR250-200kA, IR125-20kA dc, Type "D".
- Type HAC-R, "Fusetron", 600A and less, 250V, HRCI-R, RK5, IR250-200kA, IR125-20kA dc, Type "D".
- Type FRS-R, "Fusetron", 600A and less, 600V, HRCI-R, RK5, IR600-200kA, IR300-20kA dc.
- Type FRS-R, "Fusetron", 200A and less, 600V, HRCI-R, RK5, IR600-200kA, IR300-20kA dc, Type "D".
- Type DLS-R, "Fusetron", 600A and less, 600V, HRCI-R, RK5, IR600-200kA IR300-20kA dc.
- Type DLS-R, "Fusetron", 200A and less, 600V, HRCI-R, RK5, IR600-200kA, IR300-20kA dc, Type "D".
- Type HAS-R, "Fusetron", 600A and less, 600V, HRCI-R, RK5, IR600-200kA, IR300-20kA dc, Type "D".
- Type KTN-R, NCLR, "Limitron", 600A and less, 250V, HRCI-R, IR250-200kA.

- Type KTS-R, SCLR, "Limitron", 600A and less, 600V, HRCI-R, IR600-200kA.
- Type JKS, JCL, "Limitron", 61-600A, 600V, HRC1-J, IR600-200kA.
- Type JJN, TJN, "TRON", 1200A and less, 300V, HRC1-T, IR300-200kA; 601-1200A, 170V dc max, IR170-100kA.
- Type JJS, TJS, "TRON", 800A and less, 600V, HRC1-T, IR600-200kA.
- Type JJS, LPT, 35-60A, 600V ac max, HRC1-T, IR600-200kA.
- Type LPN-RK, LPN-RKXXXSP with or without suffix TP, LENRK, "Low Peak", 61-600A, 250V, HRC1-R, IR250-200kA, Type "D", LPN-RK, IR250-20K dc.
- Type SC, 0.5-20A, 600V ac max, IR600-100kA, Class G.
- Type SC, 21-60A, 480V ac max, IR480-100kA, Class G.
- Type SC, Additional IR ratings: 170V dc-10kA, SC 1/2-20A
  300V dc-10kA, SC 25-30A
  300V dc-10kA, SC 31-60A

Note: DC ratings on short body version only. Ref. LR 53787-116C, -120C.

- Type LPS-RK, LPS-RKXXXSP with or without suffix TP, LESRK, "Low Peak", 61-600A, 600V, HRC1-R, IR600-200kA.
- Type LPS-RK, LPS-RKXXXSP with or without suffix TP, LESRK, "Low Peak", 61-100A, 600V, HRC1-R, IR600-200kA, Type "D", LPS-RK, IR300-20K dc.

Note: DC ratings on short body version only. Ref. LR 53787-116C, -120C.

- Type CGL, "TRON", 61-600A, 600V, HRC11-C, IR600-200kA. HRC1, non-renewable, cartridge type:
- Type LPJ, JDL, and JHC, 600V ac, 15-30A, HRC1-J, IR600-200kA.
- Type LP-CC, 600V ac max, 1/2-15A, 20-30A, HRCI-CC, IR600-200kA.
- Type LPJ, JDL, 600V ac, 35-60A, 70-100A, HRCI-J, IR600-200kA.
- Type LPJ, JDL, 600V ac, 110-600A, HRCI-J, IR600-200kA.
- HRCI-J, 600V ac, IR200kA; Cat No CJ, 600A.
- HRCI-MISC, 600V ac, IR200kA; Cat Nos C1F, 15A; C1H, 30A; C1K, 60A; C1L, 100A.
- HRCII-C, 600V ac, IR200kA; Cat Nos H07, 30A; K07, 60A; L14, 100A; M09, 200A; P11, 400A; R11, 600A.
- HRCII-MISC, 600V ac, IR200kA; Cat Nos L09 and L10, 100A; M14, 200A; P09, 400A.
- HRCI-J, Cat No CJ, 600V ac, 1-30A and 35-100A, IR200kA.
- HRCI-MISC, 600V ac; Cat No NK2-30, 2-30CIF06, 2A to 30A; Cat No EK40-60, 40A to 60A.
- HRCI-MISC, 600V ac, Cat No CIF21/NITK2-30,2-30CIF21, 2A to 30A;
- HRCII-C, 600V ac, Cat No HO7/AAO2-3O, 2-30H07C, 2A to 30A;
- HRCII-C, 600V ac, Cat No KO7/BAO40-60, 40-60K07C, 40A to 60A;
- HRCII-C, 600V ac, Cat No L14/CEO80-100, 80-100L14C, 80A to 100A;
- HRCII-MISC, 600V ac, Cat No KO7R/0SD80-100, 80-100K07CR, 80A to 100A.
- Class CB, Cat No CIF06, 3-30A, 600V ac max, IR600-200KA.

Notes:

1. Complete type designation of an HRC I fuse consists of the type letters and figures (where applicable) prefixed by the rating of the fuse in amperes and (where applicable) suffixed by two figures indicating the arrangement of the contact blades.
2. Complete type designation of an HRC II fuse consists of the type letter prefixed by the rating of the fuse in A and suffixed by two figures indicating the arrangement of the contact blades and by a letter C.

3. All the above ampere ratings are maxima.

- Class J, Types LPJXXX, LPJXXXI, LPJXXXSJP and LPJXXXSPI0-600A, 600V ac max, IR600-200kA, 300V dc max, IR300-100kA.
- CLASS-R, LPN-RKXXXSP, 0-60A, 125V DC, IR-100kA.
- CLASS-R, LPN-RKXXXSP, LPN-RKXXXSJPI, 70-600A, 250V DC, IR-100kA.
- CLASS-R, LPN-RKXXXSPI, 31-600A, 250V ac max, IR250-200kA.
- CLASS-R, LPS-RKXXXSP, LPS-RKXXXSJPI, 0-600A, 600V AC Max., IR 600-200kA, 300V DC Max., IR300-100kA.

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