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NUMBR 083454X0000 March 29, 1996 (Replaces: January 23, 1995)

CLASS 3215 01 (Re-examination Service)

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83454

SUPPLEMENTARY PROTECTORS

- Supplementary protectors, Type NRC (with suffixes) 1- and 2-pole, manual reset, trip-free mechanism, magnetically operated series trip (ocercurrent), 30A and less, 250V ac and less, 50/60Hz, 65V dc and less, I.R. (1-pole) 2500A ac and 200A dc, I.R. (2-pole) 1500A ac and 200A dc (2-pole), with and without auxiliary switch rated 3A, 250V ac max and 1A, 65V dc max.
- Supplementary protectors, Type NRW10 rated 0.25-8A, 10A, 12A and 15A, 250V ac, 50/60Hz, 32V dc.
- Supplementary protectors, Type NRK10 or NK1D-110, thermal trip, manual reset with no manual switching feature, open type, rated as follows:

Current Ratings at	Interrupting Ratings at
250V ac, 50/60Hz	250V ac, 50/60Hz
and 65V dc	and 65V dc
10A	100A
18A	180A
20A	200A

Notes:

1. These devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the Canadian Standards Association.
 2. Type NRW10 protectors are suitable for use in circuits where they are protected by fuses rated not more than four times the full load current of the devices, and the short circuit capacity of the circuit in which they are connected does not exceed 10 times the rating of the protector.
- Appliance component protectors, manual reset, magnetically operated, trip free mechanism.
 - Type NRL, Models NRLT, NRLR, NRLY, NRLK, 20A and less, 250V ac, 50V dc, 125V ac, 15A lamp load, TV-10 (for Models NRLK2200F-15ABA and NRLK2100F-15ABA), 1- or 2-pole, Series Shunt or Relay Trip, with or without auxiliary switch, with or without inrush delay, with or without indicator light, IR250V ac - 1,000A, IR50V dc - 1,000A, with a series fuse of four times the interrupter rating but not less than 15A.
 - Type NRLP, single-pole, series trip, 0.1 to 20A, 250V ac, 50/60Hz, 50V dc, IR1000A, 250V ac/50V dc. Auxiliary contact rated 3A (resistive), 125V ac.
 - Type NRLR, Model NRLR2J00, 2-pole, 50/60Hz, 250V ac, IR250V ac-1000A,



consists of 1 series trip device, 15A max and 1 relay trip device, 20A max.
- Models NRLT, NRLR, NRLY and NRLK, 20A and less, 250V ac and less, 50/60Hz, 50V dc and less, IR250V ac-1000A, IR50V dc-1000A, 1 or 2 pole, shunt trip (overvoltage type) or relay trip (overvoltage type), with or without aux. switch, with or without indicator light.

- Types NRA and NRAK, single- to 4-pole, overcurrent type, 0.02 to 30A, 2 hp, 250V ac, 15AT, 125V ac, 0.02 to 30A, 3/4 hp, 65V dc; overvoltage type, 100V ac and 8, 24 or 48V dc with or without auxiliary switch max 5A, 250V ac.

- Type NRA with Suffix F, 1- to 3-pole, overcurrent type, single coil, series trip, 0.02 to 30A, 2 hp, 250V ac; 15AT, 125V ac; 0.02 to 30A, 3/4 hp, 65V dc; with or without auxiliary switch max 5A, 250V ac.

- Types NRAS, NRAK, NRAN, single or double pole, with dual coils, overcurrent 0.1A to 30A, 250V ac, 65V dc, 15AT, 125V ac and voltage trip 6 to 100V ac/dc max on time one sec, 220V ac/dc max on time 0.5 sec.

- Type NRBM, single to four pole, series and relay trip 0.05 to 50A, 250V ac, 50/60Hz 65V dc, shunt trip, 0.05 to 50A, 8, 24 or 48V dc, 100V ac, 50/60Hz, auxiliary switches, rated up to 5A, 250V ac or 1A, 50V dc.

- Type NRBH, single-pole, switchable, manual reset, series trip, 90A, 32V dc; auxiliary switches, rated up to 5A, 250V ac or 1A, 50V dc.

- Type NRF, single-pole, overcurrent type rated 0.3A to 15A, 250V ac/32V dc, may be provided with auxiliary contacts rated 0.05A, 125V ac.

- Type NUS (with suffixes) and Type NR2 (with suffixes) plug-in bases for use with the submittor's Type NRA Series circuit protectors, rated 250V, 20A ac/dc max.

- Supplementary protectors, Type NH1S, with suffixes and ratings according to trip type as follows:

Table with 3 columns: Type, Internal Circuit, Rating. Rows include NH1S-X1XXX (Series trip) and NH1S-X200X (Shunt trip (overcurrent type)).





NH1SX300	Shunt trip (overvoltage type)	Ac models - 100, 200V ac Dc models - 6, 12, 24, 48V dc (contact current - 30A max)
NH1S-X400X	Relay trip (overcurrent type)	Ac/dc models for common use 0.05 to 1A, 250V ac, 50/60Hz, 65V dc Exclusive use: AC models - 0.05 to 1 A, 250 V ac, 50/60 Hz DC models - 0.05 to 1 A, 65 V dc (contact current - 30A max)
NH1S-X500	Relay trip (overvoltage type)	Ac models - 100, 200V ac Dc models - 6, 12, 24, 48V dc (contact current - 30A max)
NH1S-3100TK1611	Series Trip	5, 10, 15 and 20 A, 250 V ac, 50/60 Hz

Notes:

1. Suffix numbers and letters may be added to the type designation to denote type of mounting, number of poles, etc.
2. These circuit protectors and plug-in bases are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by the Canadian Standards Association.
3. The circuit protectors with ac voltage ratings are suitable for use in circuits where they are protected by fuses rated not more than four times the full load current of the devices, except the minimum fuse may be 15A and the short circuit capacity does not exceed 1000A.
4. The rated coil voltage for Model No NRLR 1500 is 24V dc.
5. Type NRF protectors are Certified for use only in equipment where the short circuit capacity of the circuit in which they are connected is limited to 6 times the rating of the protector for protectors rated 5A or less and 10 times the rating of the protector for protectors rated 5.1A to 15A.
6. Type NRF circuit protectors with auxiliary contacts when used in circuits rated 151V to 250V ac are Certified for use only in equipment where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding those of the protector.
7. Type NRA, NRAS and NRAF when provided with Size 8-32 terminal screws are suitable for use with terminated wire only.





8. Open type protectors are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the Canadian Standards Association.

9. Models NRLK2200F-15ABA and NRLK2100F-15ABA have been endurance tested for 25,000 cycles of operation using tungsten filament lampload (TV-10).

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