

Certification Record

CUSTOMER	CLASS	FILE
Carling Technologies, Inc 60 Johnson Ave Plainville, CT, 06062-1156 USA	<u>3215-30</u> SUPPLEMENTARY PROTECTORS- COMPONENT ACCEPTANCE PROGRAM	047848-0-000
	Refer to Class Description for program details	

- Supplementary protector - Types AA, AS, AT, BA, BS and BT, 1-6 poles and Types AB and BB, 2-6 poles, and Types AC through AL, AN, AO, AP, AR, AU, AV, 1-3 pole, 0.02-30A, 415V ac max, 80V dc max; 31-50A, 250V ac max, 80V dc max., with or without auxiliary switch.
- Switches, non-automatic (without overload coil), Types AA and BA, 1 through 6 pole, and Types AB and BB, 2-6 poles and Types AC through AL, AN, AO, AP, AR, AU, AV, 1-3 poles, 0.02-30A, 415V ac max; 31-50A, 277V ac max, 80V dc max, with or without auxiliary switch rated 1/4 hp, 125V ac 10.1A, 125 to 250V ac, or 0.1A, 125V ac, or 10.1A, 250V ac or 0.1A, 125V ac/30V dc or 1.0A, 65V dc or 0.1A, 65Vdc, or 0.5A, 80V dc or 0.1A, 80V dc or 5A, 250V ac or 2A, 250V ac.
- Types CA, CB, CS, CT 1-6 poles and Types CC to CL, CN, CO, CP, CR, CU, CV 1-3 poles, 0.02-50A, 250V ac max, 3ph, 277V ac max, 1ph, 480/277V ac max, 3ph (1ph, 2-pole break), 80V dc; 51-65A, 400V ac, 3 ph; 0.02- 65A; 51-70A, 250V ac max, 1 and 3ph, 80V dc max, 700 LRA, IR, 7.5kA; 71-90A, 250V ac, 3ph, General Purpose, IR 5kA max; 1-3 poles, 71-100A, 125/250V ac, 600 LRA, IR 5KA max (Note 8), 80V dc, 700 LRA with or without auxiliary switch rated 1/4 hp, 125V ac, 10.1A, 125/250V ac or 0.1A, 125V ac or 10.1A, 250V ac, or 0.1A, 125V ac/30V dc or 1.0A, 65V dc or 0.1A, 65V dc.
- Switches, non-automatic (without overload coil), Types CA and CB 1- to 6-poles, CC to CL 1-3 poles 50A, 250V ac max, 3 ph; 277V ac max, 1 ph, 480/277V ac max, 3 ph; 480Y/277V ac max, 1 ph, 2-pole break, 80V dc max; 51-65A, 400V ac, 3 ph; 1- to 6-poles, 51 to 70A, 250V ac max, 1 and 3 ph, 80V dc; 71-90A, 250V ac, 3ph, General Purpose, IR 5kA max; 1 to 2 poles, 71 to 100A, 125/250V ac max, 1 ph with neutral, 1-2 poles, 71-100A, 80V dc max with or without auxiliary switch rated 1/4 hp, 125V ac, 10.1A, 125/250V ac, or 0.1A, 125V ac, or 10.1A, 250V ac or 0.1A, 125V ac/30V dc or 1.0A, 65V dc or 0.1A, 65V dc.
- Series E with suffixes, 1-6 poles, ratings as follows: General Purpose: 0.02-120A, 125V dc max; 0.02-100A, 160V dc max; 0.02-100A, 120/240V ac max; 0.02-100A, 277V ac max, 1 ph, 0.02-100A, 600V ac max, 3 ph, 0.02-50A, 480V ac, 3 ph, per pole delta opposite polarity. Motor Control: 100 FLA max, 1000 LRA max, 125V dc max. 100 FLA max, 600 LRA max, 277V ac max, 1 ph, 100 FLA max, 600 LRA max, 600V ac max, 3 ph, 50 FLA max, 300 LRA max, 480V ac max, 3 ph, per pole delta opposite polarity.
- Series M or Q 1- or 2-poles with suffixes, max ratings: 30A, 125V ac, 30A, 80V dc; 1-pole, 18A, 250V ac, 15A, 125V ac (Tungsten); 2-pole (breaking single load), 30A, 250V ac. Auxiliary switch rated at 7A, 250V ac or 5A, 250V ac or 0.25A, 80V dc. See Note 11 below.
- Auxiliary switch rated at 1/4 hp, 125V ac, 10.1A, 125/250V ac or 0.1A, 125V ac, or 10.1A, 250V ac, or 0.1A, 125V ac/30V dc. The auxiliary switch is suitable for Types AA, AB, AC to AL, AN, AO, AP, AR, AS, BA, BB, BS, BT, CA, CB, CC to CL, CN, CO, CP, CR, CS, CU, CV and E Series.
- Types DA, DB and DC through DL, 1-4 poles, 0.02-50A, 250V ac max, 3 ph; 277V ac max, 1 ph; 480Y/277V ac max, 1 ph (2-pole break); 480/277V ac max, 3 ph; 80V dc max.
- Switches, non-automatic (without overload coil), Types DA, DB and DC through DL, 1-4 poles, 50A, 250V ac max, 3 ph; 277V ac max, 1 ph, 480/277V ac max, 480Y/277V ac max, 1 ph (2-pole break); 480/277V ac max, 3 ph; 80V dc max.
- Switches, non-automatic (without overload coil) Series M 1- or 2-poles max ratings: 30A, 125V ac, 30A, 80V dc; 1-pole, 18A, 250V ac, 15A, 125V ac (Tungsten), 7-1/2A, 65V dc; 2-pole (breaking single load) 30A, 250V ac. Aux. switch rated 7A, 250V ac or 5A, 250V ac or 0.25A, 80V dc.

Notes:

1. Suffix letters and numbers are added to catalogue type designation to indicate number of poles, type of circuit, aux switch, delay type, current rating, type of terminals, handle colour, mounting arrangement and Stds. approval (e.g. AA1-B0-XX-450-1A1-C).

2. AC rated devices are for use in circuits where they are protected by fuses having ratings four times the component protector rating, except that the minimum fuse size is 15A.
3. The main contacts of the devices have been investigated for the control of motors where full load current rating of the motor does not exceed full load rating of the main contacts.
4. Devices with quick connect wiring terminals have not been investigated with regard to temperature and secureness.
5. These devices may be produced in series trip, shunt trip, relay trip and switch only type configurations.
6. Types AB, BB, CB and DB have one or two less handles than the number of poles per unit.
7. Types AA, AB, AC to AL, AN, AO, AP, AR, AS, AT, AU, AV, BA, BB, BS, BT, CA, CB, CC to CL, CN, CO, CP, CR, CS, CT, CU, CV, DA, DB, DC to DL, Series E and Series M have ac or dc coil ratings of 6 through 240V.
8. These devices are certified as components for use only in other certified equipment where the suitability of the combination is determined by the Canadian Standards Association.
9. IR rating for Types CA through CL, CN, CO, CP, CR, CS, CT, CU and CV, rated 125/250V ac, are restricted to 1,000A with no fuse or 5kA when used with a series fuse rated 175A K5 or RK5.
10. Types CA and CB devices employing the dual coil construction have terminals suitable for factory wiring only.
11. Types AS, AT, BS, BT, CS, CT have a mid trip position.
12. Devices with catalogue number ending in I are marked ignition protected.
13. Types DA, DB and DC through DL are intended for DIN rail or panel mounting.
14. Short circuit rating: (For Type M and Q Series) 1000A without a series fuse at ac and dc voltage rating; 3000A without a series fuse at 32V dc; 5000A with four times rating series fuse at dc voltage rating; except 25A, 2-pole, 65V dc (2-pole break) should have a 30A series fuse.

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