

## Certification Record

CUSTOMER	CLASS	FILE
E-T-A Circuit Breakers Limited 100 Leek Cres, Unit 11 Richmond Hill ON L4B 3E6 Canada	<u>3215-01</u> SUPPLEMENTARY PROTECTORS-	016186_0_000
<b>Refer to Class Description for program details</b>		

- Appliance and motor circuit protectors, current sensing, thermal-magnetic or thermal operation; manual reset, with or without auxiliary contacts rated 250V ac, 65V dc, 3A. Single-pole:

Designation	Max V	Amp	FLA	LRA
44-100, 2-4100, 44-300 and 2-4300	250 ac	3.5	3.5	21
44-700, 2-4700, 44-900 and 2-4900	250 ac	15	-	-
42-01 or 42-01 or 201, 43-20 43-300, 43-400, 43-500, 43-600 3500, 44-000, 4000, 3300 and 3400, 3600	250 ac 80 dc	16 15	- -	- -
8340	250 ac 65 dc	30	-	-
45-000, 2-5000, 45-100, 2-5100, 45-200	250 ac 65 dc	16 16	- -	- -
44-500, 44-800 4500,4800	250 ac 28 dc	8	-	-
41-10, 41-11, 110, 111	250 ac 28 dc	16 16	- -	96 96
	125 ac	18-20	-	120
	28 dc	18-20	-	120
41-20, 120	250 ac 28 dc	15 15	- -	- -
45-700, 2-5700, 41-57, 157	250 ac	15	15	90
45-700, 2-5700, 41-57, 157	250 ac	16	16	-

41-58,158, 41-27, 127	28 dc	15	15	90
41-58,158, 41-27, 127	28 dc	16	16	-
41-29, 129, 2-5200, 46-200, 2-6000	250 ac	15	15	90
46-100, 2-6100, 46-000				
2-6200, 46-400, 2-6400				
41-04, 104,	250 ac 48 dc	0.05 to	3	18
41-04-PR- 014813	24 ac	1.5		
41-05, 105,	250 ac 48 dc	3.5 to	5	25
41-06, 106,	250 ac 48 dc	6 to	10	40
335	250	5	-	-
336	250	1	-	-
Two pole:				
3120	250 ac 50 dc	18-20	-	-
3120	250 ac	16	-	96
	50 dc	16	-	96
3120	250 ac	30 two single poles in parallel	-	-
43-20, 43-21, 320, 321	250 ac 28 dc	16 16	- -	- -
	125 ac	18-20	-	-
	28 dc	18-20	-	-
42-01-2325, 42-01-T2-2325, 43-500-2325, 43-600-2325	250 ac 65 dc	15 15	- -	- -
Three-pole: 48-300 and 2-8300	600	3.5	3.5	21

- Appliance component protectors, thermal-magnetic trip, manual reset, with manual switching feature, with or without auxiliary contacts, trip-free mechanism - Series 2210 and 2210T, 1 to 4-pole, 32A and less, 250V ac and less, 65V dc and less, 277/480V ac (rail mounted version only). (Series 2210 and 2210T protectors have been investigated for motor overcurrent protection.)
- Appliance component protectors, thermal-magnetic trip, manual reset, with manual switching feature, with or without auxiliary contacts, trip-free mechanism, Series 2215 with suffixes, 1-pole, 0.05-10A, 250V ac and less, 48V dc and less. (Series 2215 protectors have been investigated for motor overcurrent protection.)

Notes:

1. These are open type devices, Certified for use only as component parts of other equipment where the suitability of the combination is determined by the CSA International.
  2. The following additional suffixes may be added: G, AG, IG (followed by 1 or more digits), K, L (followed by 1 or more digits), P (followed by 1 or more digits), PR, PS, S (followed by 1 or more digits), ST, H, T, A3, AS, TROP, VZ, M, MO, ZR, DD, DZ or TC.
  3. The 43-200 and 45-200 protectors are used with "E-T-A" Nbr. (No) 20, 40 or 60 contact blocks.
  4. The contacts for Types 44-500 and 44-800 are rated 15A, 250V ac, 65V dc.
  5. Cat No 3120 may be single pole or two pole thermally protected, or two pole only one pole thermally protected. 3120 is followed by a series of alphanumeric suffixes indicating different characteristics. Suffix - X3120-UBBXXZ indicates use of Zero voltage release module.
  6. Cat No 41-04-PR-014813 is suitable for pcb mounting.
- Appliance component protectors, manual reset type, thermal trip, Series 1658 (with suffixes), single pole, max ratings: 5 to 15A, 250V ac and less; 19 to 25A, 125V ac and less.
  - Supplementary protectors, automatic reset type, thermal trip, Series 1658, 5 to 25A, 125V ac.
  - Appliance component protectors, thermal trip, manual reset with manual switching feature, single pole, Series 1110 with suffixes, 0.05-16A, 250V ac and less, 50V dc and less (0.05-10A rated device investigated for motor overcurrent protection).
  - Appliance component protectors, magnetic trip, shunt trip or relay trip, manual reset, with manual switching feature, with or without auxiliary contacts, Series 8340 (F, G and T), 1-, 2-, 3-, 4-pole, 30A and less, 250V ac and less, 50/60Hz, 65V dc and less. (Series 8340 protectors have been investigated for motor overcurrent protection).

Notes:

1. Suffix letters and/or numbers added to series designation indicate type of construction and special features.
  2. These devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by the CSA International.
  3. Series 1658 appliance component protectors are for use in circuit which have a max short circuit capacity of 2000A and are protected by fuses rated four times the current rating of the protector, but not less than 15A.
- Inherent overheating protective devices for installation in motors, current and temperature sensitive, thermal operation; designated 46-500, 2-6500, 46-600 and 2-6600, 115V ac, 1 ph, 1 hp, 250V ac, 1 ph, 2 hp.
  - Appliance component protectors, thermal trip, manual reset, with no manual switching feature, single-pole, Series 1410 with suffixes, 0.63 to 10.0A, 125V ac and less, 48V dc and less.
  - Appliance component protectors intended for pcb mounting, Type 48-08/808, rated 0.01-5A, 120V ac, 60V dc and Type 48-09/809, rated 0.006-3A, 120V ac, 60V dc.
  - Supplementary protectors, Series 1140 with suffixes, 0.05-16A, 250V ac, 50V dc.
  - Supplementary protectors, Series 91 with suffixes, 0.5-63A, 347V ac max, 1 and 2-pole; 0.5-63A, 277/480V ac max, 3 and 4 pole; 0.5-50A, 50V dc max, 1-pole, 0.5-50A, 110V dc max, 2-pole; 0.5-32A, 347/600V ac max, 3 and 4 pole.
  - Supplementary protectors, Series 3130, 0.1 to 16A, 250V ac, 50V dc, 1 and 2 pole; 0.1 to 12A, 250V ac, 50V dc, 3 pole.

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