



ACCEPTANCE RECORD

File No: 016186_0_000
 Class No: 3215 30 SUPPLEMENTARY PROTECTORS COMPONENT ACCEPTANCE PROGRAM

SUBMITTOR

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FACTORIES

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Examination to Certification Notice Ref. No. No.4-042

- 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	-	-
42-01,201 42-01-T2, 43-20 43-300, 43-400, 43-500, 43-600 3500, 44-000, 4000, 3300 and 3400, 3600	250 ac	16	-	-
	80 dc	16	-	-
8340	250 ac	30	-	-
	80 dc	50	-	-
45-000, 2-5000, 45-100, 2-5100, 45-200	250 ac	16	-	-
	65 dc	16	-	-
44-500, 44-800 4500,4800	250 ac	8	-	-
	28 dc			
41-10, 41-11, 110, 111	250 ac	16	-	96
	28 dc	16	-	96
	125 ac	18-20	-	120
	28 dc	18-20	-	120
41-20, 120	250 ac	15	-	-
	28 dc	15	-	-
45-700, 2-5700, 41-57, 157	250 ac	20	20	90
45-700, 2-5700, 41-57, 157	250 ac	16	16	-
41-58,158, 41-27, 127	50 dc	25	25	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 50 dc	16 16	- -	96 96
3120	250 ac	30 two single poles in parallel	-	-
43-20, 43-21, 320, 321	250 ac 28 dc 125 ac 28 dc	16 16 18-20 18-20	- - - -	- - - -
42-01-2325, 42-01-T2-2325, 43-500-2325, 43-600-2325	250 ac 80 dc	16 16	- -	- -
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 2210S and 2210T, 1 to 4-pole, 32A and less, 277V ac and less, 65V dc and less, 277/480V ac. (Series 2210S 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, 0.05-12.5A, 20A, 75V dc and less. (Series 2215 protectors have not 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, manual reset type, thermal trip, Series 1658, 5 to 30A, 125V ac, 5 to 15A, 250V ac, 16A, 240V ac, 5 to 30A, 32V dc.
 - 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).
 - Appliance component protectors, thermal-magnetic trip, manual reset, with manual switching feature, with or without auxiliary contacts, trip-free mechanism. Types 1492 followed by GS followed by 1, 2, or 3 followed by G, followed by a three digit number, may be followed by H1, H2, H1H1, or H1H2, rated 1- to 4-pole, 32A and less, 277/480V ac and less, 65V dc and less.

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.
 - Supplementary protectors, thermal trip, manual reset, with no manual switching feature, single-pole, Series 1410 , L and G Type with suffixes, 0.63 to 10.0A, 250V ac and less, 50V dc and less, Series 1410, F Type with suffixes, with manual means for opening the circuit 0.63 to 10A, 250V ac, 0.63 to 5A, 60V dc, 5.5 to 8A, 48V dc.
 - Supplementary protectors intended for pcb mounting, Type 48-08/808, rated 0.01-5A, 120V ac, 60V dc, 0.01-8A, 60V dc and Type 48-09/809, rated 0.006-3A, 120V ac, 60V dc.
 - Supplementary protectors, Series 413, 41-3, 30-90A, 28Vdc and less, 1-pole.
 - Supplementary protectors, Series 452, 45-2, 452-2, 45-2-2, 50-100A, 28Vdc and less, 1-pole.

- 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.
- Supplementary protectors, Series 4130, 20-80A, 240V ac and less, 50V dc and less, 1-pole.
- Supplementary protectors, Series 483, 1-25A, 250V ac and less, 1-pole; 1-35A, 75V dc, 1-pole.
- Supplementary protectors, Series 452, 45-2, 452-2, 45-2-2, 50-125A, 72 V dc and less, 1-pole.
- Supplementary protectors, Series 413, 41-3, 30-90A, 28V dc and less, 1-pole.
- Supplementary protectors, Series 412, 41-2, 0.1-35A, 28V dc and less, 1-pole.
- Supplementary protectors, Series 446, 44-6, 30-400A, 28V dc; Series 447, 44-7, 80-400A, 28V dc; Series 449, 44-9, 100-350A, 28V dc, 1-pole, thermal magnetic devices.
- Supplementary protectors, Cat No 482, 0.1-50A, 72V dc.
- Appliance component protectors, thermal-magnetic trip, manual reset, with manual switching feature, with or without auxiliary contacts, trip-free mechanism. Types 1492 followed by GS followed by 1, 2, or 3 followed by G, followed by a three digit number, may be followed by H1, H2, H1H1, or H1H2, rated 1- to 4-pole, 32A and less, 277/480V ac and less, 65V dc and less.
- Appliance and motor circuit protectors, current sensing, thermal-magnetic or thermal operation; manual reset, with or without auxiliary contacts rated 250V ac, 80V dc, 0.05 through 16.0A. Single-pole:

Designation	Max V	Amp	FLA	LRA
1492 followed by	250 ac	15A	-	-
-GH002		0.2A		
-GH005		0.5A		
-GH008		0.8A		
-GH010		1.0A		
-GH012		1.2A		
-GH015		1.5A		
-GH020		2.0A		
-GH025		2.5A		
-GH030		3.0A		
-GH040		4.0A		
-GH050		5.0A		
-GH070		7.0A		
-GH100		10.0A		
-GH150		15.0A		
-GH160		16.0A		

Note: These are open type devices and may include a suffix letter. Certified for use only as component parts of other equipment where the suitability of the combination is determined by the Canadian Standards Association.

- Appliance component protectors, thermal-magnetic trip, manual reset, with manual switching feature, with or without auxiliary contacts, trip-free mechanism, Series TMC, 1 to

4-pole, 16A and less, 250V ac and less, 65V dc and less. Series TMC protectors have been investigated for motor overcurrent protection.

Note: Suffix letters and/or numbers added to series designation indicate type of construction and special features.

- Supplementary Protectors, Series 1180, 0.1 to 10A, 250V ac, 72V dc, 1-pole.
- Cat. No. 2216, thermal magnetic supplementary protectors for general Industrial use, single pole or two poles, 277Vac, 50/60Hz, 0.1 to 16A; single pole, 50Vdc, 0.1 to 16A; two poles, 80Vdc, 0.1 to 16A (two poles break), with manually switch on and off function, with or without auxiliary contacts.

Auxiliary contact is rated 1A at 277Vac and 50Vdc.

Application code:

Trip current (TC): TC1. (135 % of marked ampere rating)

Overload Ratings (OL):

Voltage rating	poles	Current ratings	OL code
277 V ac	1, 2	0.1 □ 10 A	OL1
277V ac	1, 2	12 □ 16A	OL0
50 V dc	1	0.1 □ 16 A	OL1
80 V dc	2	0.1 □ 10 A	OL1
80 V dc	2	12 □ 16A	OL0

Short Circuit Ratings (SC):

Voltage rating	poles	Current ratings	Short Circuit Rating
277 V ac	1	0.1 □ 16A	1000A, C1
277V ac	2	0.1 □ 16A	1000A, C1
50 V dc	1	0.1 □ 16 A	1000A, C1
80 V dc	2	0.1 □ 16 A	1000A, C1

Notes:

1. These devices are accepted as components for use only in other Certified equipment where the suitability of the combination is determined by CSA Group.
2. Rating of series fuse approx. 4 times current rating of protector, but not less than 15A.
3. Manufacturer's specified minimum Trip Current: 135 % of marked ampere rating.
4. Enclosure size for temperature rise test: 13 x 4 x 18 cm.
5. The terminals are intended to be factory wired only and the suitability of connection (including spacings) shall be determined in accordance with the requirements of the end-use application.
6. These devices are not suitable for use as branch circuit protection.
7. These device may optionally be provided with socket 80PLUS-PT01 or 81PLUS-UT01 for field wiring.

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