

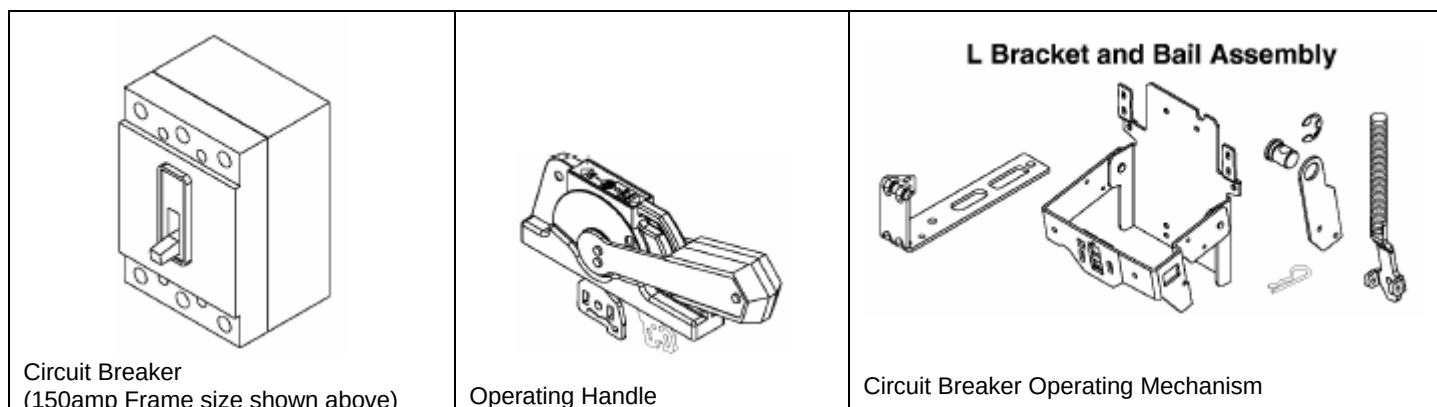
Repair Parts for Bulletin 1233X NEMA Pump Control Panels with Circuit Breaker Sizes 1 through 7, Series One Construction

Circuit Breaker, Circuit Breaker Handle and Operating Mechanism Repair Parts

Operating Handle part numbers include defeater lever, door cover catch, and handle gasket.

Circuit breaker includes line and load lugs. Circuit breaker type is a Westinghouse HMCP Instantaneous Trip breaker.

Circuit breaker handle is Type 3R/12 rated and includes gasket.



NEMA Size	Breaker Size (A)	Line/Motor Voltage	Motor HP	1233X Catalog Number (D) = 120V Separate Control	Repair Part Number for Circuit Breaker	Repair Part Number for Circuit Breaker Handle	Repair Part No. for Circuit Breaker Operating Mechanism
Size 1	3	200-208V 60Hz	0 - 1/3	1233X-BNH(D)-32	1401-N60	1494F-P1	1494D-MB150
	3	230-240V 60Hz	0 - 1/3	1233X-BNA(D)-32	1401-N60		
	3	380-415V 50Hz	0 - 0.75	1233X-BNN(S)-34	1401-N60	1494F-P1	1494D-MB150
	3	460-480V 60Hz	0 - 1	1233X-BNB(D)-35	1401-N60	1494F-P1	1494D-MB150
	3	575-600V 60Hz	0 - 1	1233X-BNC(D)-35	1401-N60		
	7	200-208V 60Hz	0.5 - 1	1233X-BNH(D)-35	1401-N61	1494F-P1	1494D-MB150
	7	230-240V 60Hz	0.5 - 1	1233X-BNA(D)-35	1401-N61		
	7	380-400V 50Hz	1 - 2	1232X-BNN(S)-37	1401-N61	1494F-P1	1494D-MB150
	7	460-480V 60Hz	1.5 - 3	1233X-BNB(D)-38	1401-N61	1494F-P1	1494D-MB150
	7	575-600V 60Hz	1.5 - 3	1233X-BNC(D)-38	1401-N61		
	15	200-208V 60Hz	1.5 - 3	1233X-BNH(D)-38	1401-N62	1494F-P1	1494D-MB150
	15	230-240V 60Hz	1.5 - 3	1233X-BNA(D)-38	1401-N62		
	30	200-208V 60Hz	5	1233X-BNH(D)-39	1401-N63	1494F-P1	1494D-MB150
	15	380-415V 50Hz	3 - 5	1233X-BNN(S)-39	1401-N63	1494F-P1	1494D-MB150
	15	460-480V 60Hz	7.5	1233X-BNB(D)-40	1401-N62	1494F-P1	1494D-MB150
	15	575-600V 60Hz	7.5	1233X-BNC(D)-40	1401-N62		
Size 2	30	380-415V 50Hz	7.5 - 10	1233X-BNN(S)-41	1401-N63	1494F-P1	1494D-MB150
	30	460-480V 60Hz	10	1233X-BNB(D)-41	1401-N63	1494F-P1	1494D-MB150
	30	575-600V 60Hz	10	1233X-BNC(D)-41	1401-N63		
	50	200-208V 60Hz	10	1233X-CNH(D)-41	1401-N64	1494F-P1	1494D-MB150
	50	230-240V 60Hz	10	1233X-CNA(D)-41	1401-N64		
	30	460-480V 60Hz	15	1233X-CNB(D)-42	1401-N63	1494F-P1	1494D-MB150
	30	575-600V 60Hz	15	1233X-CNC(D)-42	1401-N63		
	100	230-240V 60Hz	15	1233X-CNA(D)-42	1401-N65	1494F-P1	1494D-MB150
	50	380-415V 50Hz	15 - 20	1233X-CNN(S)-43	1401-N64	1494F-P1	1494D-MB150
	100	380-415V 50Hz	25	1233X-CNN(S)-44	1401-N65	1494F-P1	1494D-MB150
Size 3	50	460-480V 60Hz	20 - 25	1233X-CNB(D)-44	1401-N64	1494F-P1	1494D-MB150
	50	575-600V 60Hz	20 - 25	1233X-CNC(D)-44	1401-N64		
	100	200-208V 60Hz	15 - 25	1233X-DNH(D)-44	1401-N65	1494F-P1	1494D-MB150
	100	230-240V 60Hz	25	1233X-DNA(D)-44	1401-N65		
	150	230-240V 60Hz	30	1233X-DNA(D)-45	1401-N66	1494F-P1	1494D-MB150
	50	575-600V 60Hz	30	1233X-DNC(D)-45	1401-N64		
	100	380-415V 50Hz	30 - 40	1233X-DNN(S)-46	1401-N65	1494F-P1	1494D-MB150
	100	460-480V 60Hz	30 - 50	1233X-DNB(D)-47	1401-N65	1494F-P1	1494D-MB150
	100	575-600V 60Hz	40 - 50	1233X-DNC(D)-47	1401-N65		
	150	380-415V 50Hz	50	1233X-DNN(S)-47	1401-N66	1494F-P1	1494D-MB150

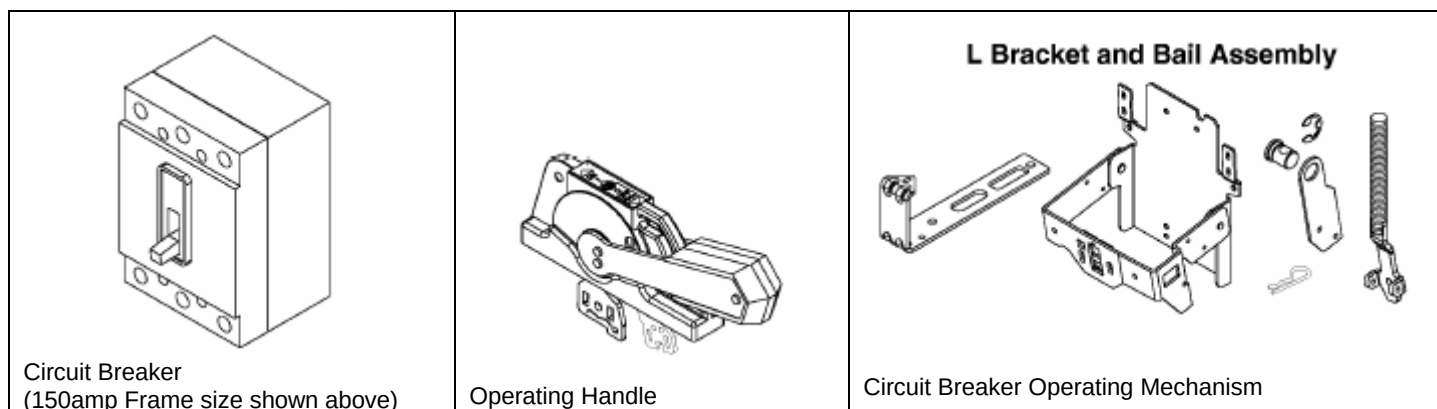
Repair Parts for Bulletin 1233X NEMA Pump Control Panels with Circuit Breaker Sizes 1 through 7, Series One Construction

Circuit Breaker, Circuit Breaker Handle and Operating Mechanism Repair Parts

Operating Handle part numbers include defeater lever, door cover catch, and handle gasket.

Circuit breaker includes line and load lugs. Circuit breaker type is a Westinghouse HMCP Instantaneous Trip breaker.

Circuit breaker handle is Type 3R/12 rated and includes gasket.



NEMA Size	Breaker Size (A)	Line/Motor Voltage	Motor HP	1233X Catalog Number (D) = 120V Separate Control	Repair Part Number for Circuit Breaker	Repair Part Number for Circuit Breaker Handle	Repair Part No. for Circuit Breaker Operating Mechanism
Size 4	150	200-208V 60Hz	30	1233X-ENH(D)-45	1401-N66	1494F-P1	1494D-MB150
	250	200-208V 60Hz	40	1233X-ENH(D)-46	1401-N68	1494F-P1	1494D-MB250
	150	230-240V 60Hz	40	1233X-ENA(D)-46	1401-N66		1494D-MB150
	250	230-240V 60Hz	50	1233X-ENA(D)-47	1401-N68	1494F-P1	1494D-MB250
	150	380-415V 50Hz	60	1233X-ENN(S)-48	1401-N66	1494F-P1	1494D-MB150
	100	575-600V 60Hz	60	1233X-ENC(D)-48	1401-N65	1494F-P1	1494D-MB150
	150	460-480V 60Hz	60 - 75	1233X-ENB(D)-49	1401-N66	1494F-P1	1494D-MB150
	250	380-415V 50Hz	75	1233X-ENN(S)-49	1401-N68	1494F-P1	1494D-MB250
	250	460-480V 60Hz	100	1233X-ENB(D)-50	1401-N68	1494F-P1	1494D-MB250
	150	575-600V 60Hz	75 - 100	1233X-ENC(D)-50	1401-N66	1494F-P1	1494D-MB150
Size 5	250	200-208V 60Hz	50 - 60	1233X-FNH(D)-48	1401-N69	1494F-M2	1494D-MB250
	400	200-208V 60Hz	75	1233X-FNH(D)-49	40021-935-23	1494F-M2	1494D-MB400
	250	230-240V 60Hz	60 - 75	1233X-FNA(D)-49	1401-N69	1494F-M2	1494D-MB250
	400	230-240V 60Hz	100	1233X-FNA(D)-50	40021-935-23	1494F-M2	1494D-MB400
	250	575-600V 60Hz	125	1233X-FNC(D)-51	1401-N68	1494F-M2	1494D-MB250
	250	380-415V 50Hz	100 - 150	1233X-FNN(S)-52	1401-N69	1494F-M2	1494D-MB250
	250	460-480V 60Hz	125 - 150	1233X-FNB(D)-52	1401-N69	1494F-M2	1494D-MB250
	400	380-415V 50Hz	175 - 200	1233X-FNN(S)-54	40021-935-23	1494F-M2	1494D-MB400
	400	460-480V 60Hz	200	1233X-FNB(D)-54	40021-935-23	1494F-M2	1494D-MB400
	250	575-600V 60Hz	150 - 200	1233X-FNC(D)-54	1401-N69	1494F-M2	1494D-MB250

**Repair Parts for Bulletin 1233X NEMA Pump Control Panels with Circuit Breaker
Sizes 1 through 7, Series One Construction**

Circuit Breaker, Circuit Breaker Handle and Operating Mechanism Repair Parts

Circuit breaker operating (bail) mechanism operates the 'on-off' toggle switch on the circuit breaker.

NEMA Size	Breaker Size (A)	Line/Motor Voltage	Motor HP	1233X Catalog Number	Repair Part Number for Circuit Breaker	Repair Part Number for Circuit Breaker Handle	Repair Part No. for Circuit Breaker Operating Mechanism	Line or Load Side Lug for Circuit Breaker (qty 6 req'd)
6	800A	200-208V 60Hz	100	1233X-GNH-50T	25103-462-01 with 500A rating plug 25107-456-02	40021-656-01	40021-662-05	25109-390-01
	800A	200-208V 60Hz	125	1233X-GNH-51T	25103-462-01 with 700A rating plug 25107-456-04	40021-656-01	40021-662-05	25109-390-01
	800A	230-240V 60Hz	125	1233X-GNA-51T	25103-462-01 with 600A rating plug 25107-456-03	40021-656-01	40021-662-05	25109-390-01
	800A	200-208V 60Hz	150	1233X-GNH-52T	25103-462-01 with 800A rating plug 25107-456-05	40021-656-01	40021-662-05	25109-390-01
	800A	230-240V 60Hz	150	1233X-GNA-52T	25103-462-01 with 700A rating plug 25107-456-04	40021-656-01	40021-662-05	25109-390-01
	800A	230-240V 60Hz	200	1233X-GNA-54T	25103-462-01 with 800A rating plug 25107-456-05	40021-656-01	40021-662-05	25109-390-01
	800A	460-480V 60Hz	250	1233X-GNB-56T	25103-462-01 with 500A rating plug 25107-456-02	40021-656-01	40021-662-05	25109-390-01
	800A	575-600V 60Hz	250	1233X-GNC-56T	25103-462-01 with 400A rating plug 25107-456-01	40021-656-01	40021-662-05	25109-390-01
	800A	460-480V 60Hz	300	1233X-GNB-57T	25103-462-01 with 600A rating plug 25107-456-03	40021-656-01	40021-662-05	25109-390-01
	800A	575-600V 60Hz	300	1233X-GNC-57T	25103-462-01 with 500A rating plug 25107-456-02	40021-656-01	40021-662-05	25109-390-01
	800A	575-600V 60Hz	350	1233X-GNC-58T	25103-462-01 with 600A rating plug 25107-456-03	40021-656-01	40021-662-05	25109-390-01
7	1200	230-240V 60Hz	250	1233X-HNA-56T	25103-506-01 with 800A rating plug 25107-504-03	40021-656-01	40021-662-04	25109-476-01
	1200	230-240V 60Hz	300	1233X-HNA-57T	25103-506-01 with 1000A rating plug 25107-504-05	40021-656-01	40021-662-04	25109-476-01
	1200	460-480V 60Hz	450-500	1233X-HNB-61T	25103-506-01 with 800A rating plug 25107-504-03	40021-656-01	40021-662-04	25109-476-01
	1200	575-600V 60Hz	450-500	1233X-HNC-62T	25103-506-01 with 800A rating plug 25107-504-03	40021-656-01	40021-662-04	25109-476-01

Repair Parts for Bulletin 1233X NEMA Pump Control Panels with Circuit Breaker Sizes 1 through 7, Series One Construction

Replacement Control Circuit Transformers for Size 6 and Size 7 Bulletin 1233X Pump Panels

As standard, size 6 and size 7 starters include a control circuit transformer. All transformers have a secondary voltage of 120V 60Hz which matches the coil voltage and frequency of the 'across the line' bulletin 509 starter, included as part of the bulletin 1233X starter.

NEMA Size	Line Voltage	Catalog Number of Starter	Control Circuit Transformer	Primary Fuse Size and Type (qty 2 req'd)	Secondary Fuse Size and Type
6	208	1233X-GNH-	1497-G-HXSX-3-N (500VA)	6.0A 600V Class CC Types KLDL, ATDR, or FNQ-R	6.25A 250V Types FNM, TRM or FLM
	240	1233X-GNA	1497-G-BASX-3-N (500VA)	5.0A 600V Class CC Types KLDL, ATDR, or FNQ-R	6.25A 250V Types FNM, TRM or FLM
	480	1233X-GNB	1497-C-BASX-3-N (130VA)	1.25A 600V Class CC Types KLDL, ATDR, or FNQ-R	1.8A 600V Class CC Types KLDL, ATDR, or FNQ-R
	600	1233X-GNC	1497-G-CXSX-3-N (500VA)	4.0A 600V Class CC Types KLDL, ATDR, or FNQ-R	6.25A 250V Types FNM, TRM or FLM
7	240	1233X-HNA	1497-E-BASX-3-N (250VA)	5.0A 600V Class CC Types KLDL, ATDR, or FNQ-R	3.2A 250V Types FNM, TRM or FLM
	480	1233X-HNB	1497-E-BASX-3-N (250VA)	2.5A 600V Class CC Types KLDL, ATDR, or FNQ-R	3.2A 250V Types FNM, TRM or FLM
	600	1232X-HNC	1497-E-CXSX-3-N (250VA)	2.0A 600V Class CC Types KLDL, ATDR, or FNQ-R	3.2A 250V Types FNM, TRM or FLM

Repair Parts for Bulletin 1233X NEMA Pump Control Panels with Circuit Breaker Sizes 1 through 7, Series One Construction

Enclosure Repair Parts

Enclosure Only repair parts include the external overload reset button (mounted in the cover).

Enclosure hole plugs are included in the Enclosure Only repair part assemblies.

NEMA Sizes	Catalog Number of Starter	Enclosure Only (less Mounting Plate)	Enclosure Mounting Plate	External Overload Reset Button	Wing Lever Cover Screw Kit ①	Enclosure Hole Plugs for External Reset, Door Hardware or Pilot Devices
1 - 2	1233X-BN* 1233X-CN*	598-DN302010T	598-P302010T1	1493-N21	598-N4	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)
3	1233X-DN*	598-DN502210T	598-P502210T	1493-N21	598-N4	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)
4	1233X-EN*	598-DN502210T	598-P502210T	1493-N21	598-N4	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)
5	1233X-FN*	598-DN563014T ③	598-P5630T1	1493-N21	598-N4	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)
6	1233X-GN*	598-DN563014T ② ③	598-P5630T1	1493-N21	Not Used	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)
7	1233X-HN*	598-DN844018T ② ③	Included with enclosure	1493-N21	Not Used	800T-N1 (for pilot devices) 598-N1 (for resets and door hardware)

① Each kit contains two wing lever cover screws, two rubber o-rings, two retaining clips for cover screws.

② Enclosure catalog number does not include the enclosure flange handle adapter plate. Order separately as catalog number 598-N7.

③ Enclosure catalog number does not include mounting pad foot kit. Order separately as catalog number 598-N5.

Miscellaneous Repair Parts

	Catalog Number Starts with 1233X-BN* (Size 1)	Catalog Number Starts with 1233X-CN* (Size 2)	Catalog Number Starts with 1233X-DN* (Size 3)	Catalog Number Starts with 1233X-EN* (Size 4)
Description of Renewal Part	Repair Part Number	Repair Part Number	Repair Part Number	Repair Part Number
Enclosure Conduit Hub (Type 3R)	1232-N11	1232-N12	1232-N13	1232-N14
Replacement Full Voltage Starter w/120V Coil	509-BOD	509-COD	509-DOD	509-EOD
'Hand-Off-Auto' 3 Position Selector Switch and Legend Plate	800T-J2A 800T-X511 ('Hand-Off-Auto' Legend Plate)	800T-J2A 800T-X511 ('Hand-Off-Auto' Legend Plate)	800T-J2A 800T-X511 ('Hand-Off-Auto' Legend Plate)	800T-J2A 800T-X511 ('Hand-Off-Auto' Legend Plate)
'Start' Push Button and Legend Plate	800T-A1D1 800T-X511 ('Start' Legend Plate)	800T-A1D1 800T-X511 ('Start' Legend Plate)	800T-A1D1 800T-X511 ('Start' Legend Plate)	800T-A1D1 800T-X511 ('Start' Legend Plate)

Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of this control equipment must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards.

The illustrations, charts, sample programs and layout examples shown in this guide are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Rockwell Automation does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.

Allen-Bradley publication SGI-1.1, *Safety Guidelines for the Application, Installation and Maintenance of Solid-State Control* (available from your local Allen-Bradley office), describes some important differences between solid-state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

Reproduction of the contents of this copyrighted publication, in whole or part, without written permission of Rockwell Automation, is prohibited.

Throughout this document we use notes to make you aware of safety considerations:

ATTENTION



Identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss

IMPORTANT

Identifies information that is critical for successful application and understanding of the product.

Use only replacement parts and devices recommended by Rockwell Automation to maintain the integrity of the equipment. It is the user's responsibility to ensure that the renewal part number selected is properly matched to the model, series and revision level of the equipment being serviced.

ATTENTION



Servicing energized Industrial Control Equipment can be hazardous. Severe injury or death can result from electrical shock, burn, or unintended actuation of controlled equipment. Recommended practice is to disconnect and lockout control equipment from power sources, and release stored energy, if present.

Refer to **National Fire Protection Association Standard No. NFPA70E, Part 2 and (as applicable) OSHA rules for Control of Hazardous Energy Sources (Lockout/Tagout) and OSHA Electrical Safety Related Work Practices** for safety related work practices, including procedural requirements for lockout/tagout, and appropriate work practices, personnel qualifications and training requirements where it is not feasible to de-energize and lockout or tagout electric circuits and equipment before working on or near exposed circuit parts.

ROCKWELL DISCLAIMS ALL WARRANTIES WHETHER EXPRESSED OR IMPLIED IN RESPECT TO THE INFORMATION (INCLUDING SOFTWARE) PROVIDED HEREBY, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, AND NON-INFRINGEMENT. Note that certain jurisdictions do not countenance the exclusion of implied warranties; thus, this disclaimer may not apply to you.