

Cat. No. 1494G-BF3J6
 Enclosed Disconnect Switch

Bulletin 1494G/1494GX/1494GY — Fusible, 600V

- 30...600 A switch ratings
- 600V: 3-pole, 3-phase and 6-pole, 3-phase versions
- Can accommodate Class H, R, and J fuses
- Type 3R/4/12 (painted metal), Type 4/4X (stainless steel), and Type 4/4X (non-metallic) enclosures
- 30...100 A switch ratings in extra-capacity enclosures
- 30...100 A switch ratings for 6-pole 3-phase applications
- Disconnect switch linked to the handle at all times
- Visible blade construction for safety
- Non-metallic handle — standard (30...200 A)
- Metal or stainless steel handle — optional
- Lockable handle
- Options — factory installed
- Accessories — field installed

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Standards Compliance

UL 98
 UL 508
 CSA C22.2, No. 4

Certifications

cULus Listed (File No.
 E227497, Guide No. WIAX)

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600V, Fusible with Class H Fuse Clips, (3-pole, 3-phase), standard size enclosure*

Continuous Current Rating [A] 600V AC 250V DC	Horsepower					Type 3R/4/12* Painted Metal	Type 4/4X Stainless Steel
	480V AC		600V AC		250V DC	3-Pole, 3-Phase	3-Pole, 3-Phase
	Std.	Max.	Std.	Max.		Cat. No.	Cat. No.
30	5	15	7.5	20	5	1494G-BF3H6	1494G-BC3H6
60	15	30	15	50	10	1494G-CF3H6	1494G-CC3H6
100	25	60	30	75	20	1494G-DF3H6	1494G-DC3H6
200	50	125	60	150	40	1494G-EF3H6	1494G-EC3H6
400	100	250	125	350	50	1494G-FF3H6	1494G-FC3H6
600	150	400	200	500	50	1494G-GF3H6	1494G-GC3H6

600V, Fusible with Class H Fuse Clips, (3-pole, 3-phase), extra large size enclosure*

Continuous Current Rating [A] 600V AC 250V DC	Horsepower					Type 3R/4/12* Painted Metal	Type 4/4X Stainless Steel
	480V AC		600V AC		250V DC	3-Pole, 3-Phase	3-Pole, 3-Phase
	Std.	Max.	Std.	Max.		Cat. No.	Cat. No.
30	5	15	7.5	20	5	1494GX-BF3H6	1494GX-BC3H6
60	15	30	15	50	10	1494GX-CF3H6	1494GX-CC3H6
100	25	60	30	75	20	1494GX-DF3H6	1494GX-DC3H6

600V, Fusible with Class H Fuse Clips, (3-pole, 3-phase), large size enclosure*

Continuous Current Rating [A] 600V AC 250V DC	Horsepower					Type 3R/4/12* Painted Metal	Type 4/4X Stainless Steel
	480V AC		600V AC		250V DC	3-Pole, 3-Phase	3-Pole, 3-Phase
	Std.	Max.	Std.	Max.		Cat. No.	Cat. No.
30	5	15	7.5	20	5	1494GY-BF3H6	1494GY-BC3H6
60	15	30	15	50	10	1494GY-CF3H6	1494GY-CC3H6
100	25	60	30	75	20	1494GY-DF3H6	—
200	50	125	60	150	40	1494GY-EF3H6	—

600V, Fusible with Class H Fuse Clips, (6-pole, 3-phase), standard size enclosure*

Continuous Current Rating [A] 600V AC 250V DC	Horsepower					Type 3R/4/12* Painted Metal	Type 4/4X Stainless Steel
	480V AC		600V AC		250V DC	6-Pole, 3-Phase	6-Pole, 3-Phase
	Std.	Max.	Std.	Max.		Cat. No.	Cat. No.
30	5	15	7.5	20	5	1494G-BF6J6	1494G-BC6J6
60	15	30	15	50	10	1494G-CF6J6	1494G-CC6J6
100	25	60	30	75	20	1494G-DF6J6	1494G-DC6J6

* Class R and J fuse clips can be supplied as a factory option in place of Class H clips. To order Class R fuse clips, replace **H** from the cat. no. with **R**. Example: **Cat. No. 1494G-BF3H6** becomes **1494G-BF3R6**. To order Class J fuse clips, replace **H** from the cat. no. with **J**. Example: **Cat. No. 1494G-BF3H6** becomes **1494G-BF3J6**. The same applies to Bul. 1494GX and 1494GY.

* Type 12 hazardous location enclosure (Class II, Division 2, Group F+G and Class III, Divisions 1 and 2) can be supplied by replacing the **F** in the listed cat. no. with the letter **K**. Example: **Cat. No. 1494G-BK3H2**.

Bulletin 1494

NEMA Disconnect Switches

Specifications

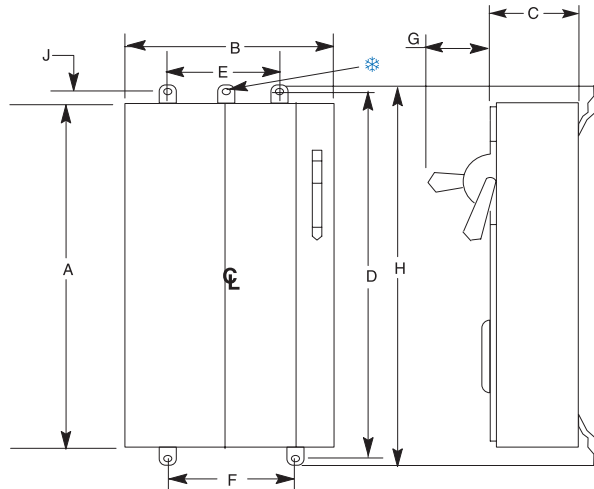
Bulletin 1494C, 1494F, 1494G, 1494R, 1494V Disconnect Switches

Disconnect Switch Electrical Ratings								
Switch Size			30 A	60 A	100 A	200 A	400 A	600 A
Rated insulation voltage Ui (UL) IEC			(600) 660V					
Ratings UL/CSA/NEMA	Hp	230V/60 Hz	7.5	15	30	60	125	200
		460V/60 Hz	15	30	60	125	250	400
		575V/60 Hz	20	50	75	150	350	500
		250V DC	5	10	20	40	50	50
	Continuous Current	600V AC 250V DC	30	60	100	200	400	600
Ratings IEC Applications	Maximum kW (AC23)	220V/50 Hz	5.5	11	22	48	90	150
		440V/50 Hz	11	22	45	90	185	295
		550V/50 Hz	15	37	55	110	257	375
Auxiliary Contact Electrical Ratings								
NEMA/EEMAC			B600, P300					
			Ui 660V		Ith 10 A			
IEC Ratings			ACII Ux		12...120V 220...240V 380...400V 500...600V		Ic	6 A 3 A 1.5 A 1.2 A
Low level switching			5 mA @ 12V DC					
Mechanical								
Degree of protection		Operating handles	Non-metallic Type 1, 3R, 4, 4X, 12, Painted Type 1, 3R, 4, 12 Stainless steel Type 4, 4X					
Mechanical life (Typical)			20 000 operations (30...200 A) 10 000 operations (400...600 A)					
Switching frequency (operations/hr)			30, 60, 100, and 200 A sizes — 300 max. 400 and 600 A sizes — 240 max.					
Environmental								
Temperature	Operating		-35...+40 °C (-31...+104 °F)					
	Storage		-40...+65 °C (-40...+149 °F)					
Altitude (per IEC 947-5)			2000 m per IEC 337-1					
Relative Humidity (per IEC 947-3)			90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)					
Design Specification/Test Requirements								
Dielectric strength			2200V for 1 minute					
Electrical life			6000 operations at rated current					
Short Circuit Withstand Capability			10 000 A: unfused 10 000 A: with Class H fuses 200 000 A: with Class J or Class R fuses					
Construction								
Switch body material			Phenolic					
Contact material			Copper, tin-plated					
Terminals		30 A	#10 - 32 screw and self-lifting pressure plate					
		60 A	1/4 in. - 28 screw-lug, copper					
		100 A	5/16 in. - 24 screw-lug, copper					
		200 A	3/8 in. - 24 screw-lug, copper					
		400 A	3/8 in. - 24 screw-lug, copper					
		600 A	1/2 in. - 13 screw-lug, copper					
All wire rated 75 °C (167 °F) or higher must be sized per the local Electric Code for 75 °C (167 °F) wire.								
Conductor Size (mm²)		30 A	#14...8 AWG (1.5...10 mm²)					
		60 A	#14...4 AWG (2.5...16 mm²)					
		100 A	#8...1/0 AWG (10...50 mm²)					
		200 A	#6...4/0 AWG (16...95 mm²)					
		400 A	2 of #1/0 AWG...250 MCM (2 per lug) 2 of 185 mm²...250 MCM or (1) #4 AWG...500 MCM					
		600 A	2 of #1/0 AWG...350 MCM (2 per lug) 2 of 185 mm²...350 MCM or (1) #4 AWG...500 MCM					
Recommended Torque		30 A	Conductor into Lug			Lug to Terminal		
		60 A	20 lb•in			20 lb•in		
		100 A	45 lb•in			50 lb•in		
		200 A	150 lb•in			90 lb•in		
		400 A	275 lb•in			175 lb•in		
		600 A	325 lb•in			175 lb•in		
Switches, Mechanisms, and Accessory Kits			Zinc-plated steel, RoHS Compliant finish					

Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

Bulletin 1494G, 1494GX, 1494GY Enclosed Disconnect Safety Switches

Type 3R/4/12 (Enclosure Code "F") Painted Metal Enclosures



Size [A]	Fuse Style*	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
30	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-1/4 (210)	14-11/16 (373)	⚡	5-1/4 (133)	5-9/16 (141)	15-21/32 (398)	11/32 (9)	20 (9.07)
60		2 or 3	1494G	20 (509)	10-1/2 (267)	10-3/16 (259)	21-7/16 (545)	⚡	5-1/4 (133)	5-9/16 (141)	22-13/32 (569)	11/32 (9)	30 (13.6)
30	A			6	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	⚡	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)
60	C												
30	D												
60	C												
30	A	2 or 3	1494GY	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	⚡	5-1/4 (133)	5-9/16 (141)	29-7/8 (759)	13/16 (21)	60 (27.21)
60	B												
30	A												
60	B												
30	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	10-3/16 (259)	31-3/8 (797)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	32-3/8 (822)	13/16 (21)	90 (40.82)
60	B												
100	D												
100	A												
100	B	2 or 3	1494GY	31-1/2 (800)	10-1/2 (267)	10-3/32 (257)	32-7/8 (835)	⚡	5-1/4 (133)	5-9/16 (141)	33-27/32 (860)	11/32 (9)	70 (31.73)
100	C	6											
200	A	2 or 3											
200	B												
100	A	2 or 3	1494GX	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
200	B												
200	C	6											
200	D												
200	A	2 or 3	1494GY	50 (1270)	22 (559)	11-1/2 (292)	51-3/8 (1305)	15-1/4 (387)	15-1/4 (387)	5-9/16 (141)	52-11/32 (1330)	11/32 (9)	200 (90.7)
400	B												
600	A	2 or 3											
600	A												
400	B	2 or 3	1494G	56 (1422)	30-1/2 (775)	13-51/64 (350)	57-5/8 (1464)	20 (508)	25-1/4 (641)	7-5/8 (194)	62-5/8 (1590)	1 (25.4)	300 (136.05)
600	B												

* A = Non-Fusible, Fusible 250V - Class H/R, Fusible 600V - Class J

B = Fusible 600V - Class H/R

C = Non-fusible

D = Fusible 250V - Class H/R, Fusible 600V - Class J

* These enclosures have one top mounting hole located on the center line. All other enclosures have two top mounting holes located as shown.



Allen-Bradley

www.ab.com/catalogs Preferred availability cat. nos. are **bold**.

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