

Bulletin 1494V Variable Depth Flange-Mounted Disconnect Switches

Bulletin 1494V — Variable-Depth Flange-Mounted Disconnect Switches

Industrial rated disconnect switch for use in flange constructed enclosures up to 24 in. deep.

- 3 pole, 600V AC rating
- 30...600 A ratings
- Can accommodate Class H, J, and R fuses
- Available in fusible and non-fusible versions
- Complete kits with accessories
- Accessories field installed
- NFPA 79 compliant — Disconnect switch linked to the handle at all times
- Visible blade construction for safety
- Can be used with enclosure Types 1, 3R, 4, 4X, and 12
- Lockable handle in OFF and ON positions

Standards Compliance

UL 98
CSA C22.2 No. 4

Certifications

cULus Listed (File No. E47426, Guide No. WHTY, WHTY7)
CE Certified

Configuration of a Disconnect Switch

The information below is for reference purposes. Not all combinations will produce a valid Cat. No. Refer to the tables on the following pages for product selection.

1494V – DR 233 – A – B – FF
a b c d



*Bul. 1494V
Disconnect Switch — 30...400 A
(Handle & connecting rod
not shown)*



*Bul. 1494V
Disconnect Switch — 600 A
(Handle & connecting rod
not shown)*

a		b		c		d	
Disconnect Switch		Fusing		Switch and Fuse Rating		Accessories (Field Installed)	
		30...600 A Switch with Right-Hand Mechanism♣		Non-Fusible		Code Description	
Code	Description	Code	Description	Code	Description	A	Long connecting rod
1494V	Variable-Depth Flange mounted	DN	Non-fusible	30	30 A switch	B	Stainless steel handle
		DH	Class H/J (30...400 A) fuse clips	60	60 A switch	C	Non-metallic handle
		DJ	Class J (600 A only) fuse clips	100	100 A switch	D	Standard size line & load lugs§
		DR	Class R fuse clips	200	200 A switch	D1	Oversized line & load lugs‡
		30...400 A Switch with Left-Hand Mechanism		400	400 A switch	E	Protective fuse cover
		Code	Description	600	600 A switch	F	(1) N.O. auxiliary contact*
		DNX	Non-fusible	Fusible		FF	(2) N.O. auxiliary contacts*
		DHX	Class H/J (30...400 A) fuse clips	233	250V; 30 A switch, 30 A clips	G	(1) N.C. auxiliary contact*
		DJX	Class J (600 A only) fuse clips	633	600V; 30 A switch, 30 A clips	GG	(2) N.C. auxiliary contacts*
		DRX	Class R fuse clips	666	600V; 60 A switch, 60 A clips	H	(1) N.O. and N.C. electrical interlock
				611	600V; 100 A switch, 100 A clips	HH	(2) N.O. and N.C. electrical interlock
				622	600V; 200 A switch, 200 A clips		
				644	600V; 400 A switch, 400 A clips		
				606	600V; 600 A switch, 600 A clips		

§ Only available for 60...600 A switches (lugs included with 30 A switch as standard)

* Maximum of (2) auxiliary contacts

‡ Only available for 200 & 400 A switch

♣ 600 A switch convertible to left-hand operation in the field

Fusible and Non-Fusible Disconnect Switch Kits

- Non-fusible disconnect switch kit includes: switch, connecting rod, and metal handle.
- Fusible disconnect switch kit includes: switch, connecting rod, metal handle, trailer fuse block, and fuse clips.
- Optional kit accessories listed on the following pages can be added to the disconnect switch kits to create (1) cat. no.
Example: **Cat. No. 1494V-DR633-A-B-F.**

Complete Disconnect Switch Kits for Type 1, 3R, 4, and 12 Metal Enclosures

Cont. Current Rating [A] 600V AC 250V DC	UL and CSA Applications Maximum HP					AC 1-Phase		DC*		IEC Applications Maximum kW (AC23)			Fuse Clip Rating [A]		Fuse Class	Switch with Right-Hand Mechanism	Switch with Left-Hand Mechanism
	3-Phase, 60 Hz					115V	230V	125V	250V	3-Phase, 50 Hz			250V	600V		Cat. No.	Cat. No.
	115V	200...208V	230V	460V	575V					220...240V	380...440V	500...600V					
30	3	7.5	7.5	15	20	2	3	3	5	5.5	11	15	—	—	—	1494V-DN30	1494V-DNX30
													30	—	H	1494V-DH233	1494V-DHX233
													30	—	R	1494V-DR233	1494V-DRX233
													—	30	H/J	1494V-DH633	1494V-DHX633
													—	30	R	1494V-DR633	1494V-DRX633
60	7.5	15	15	30	50	3	10	5	10	11	22	37	—	—	—	1494V-DN60	1494V-DNX60
													—	60	H/J	1494V-DH666	1494V-DHX666
													—	60	R	1494V-DR666	1494V-DRX666
100	—	25	30	60	75	—	—	—	20	22	45	55	—	—	—	1494V-DN100	1494V-DNX100
													100	100	H/J	1494V-DH611	1494V-DHX611
													100	100	R	1494V-DR611	1494V-DRX611
200	—	50...60	60	125	150	—	—	—	40	48	90	110	—	—	—	1494V-DN200	1494V-DNX200
													200	200	H/J	1494V-DH622	1494V-DHX622
													200	200	R	1494V-DR622	1494V-DRX622
400	—	75	125	250	350	—	—	—	50	90	185	257	—	—	—	1494V-DN400	1494V-DNX400
													400	400	H/J	1494V-DH644	1494V-DHX644
													400	400	R	1494V-DR644	1494V-DRX644
600	—	150	200	400	500	—	—	—	50	150	295	375	—	—	—	1494V-DN600	1494V-DNX600
													‡	‡	‡	‡	‡

* Ratings based on utilizing two poles in series to break one line of the DC supply voltage and the remaining pole breaking the second DC supply line.

‡ Class J fuses bolt directly to the switch and trailer fuse block.

§ Switch can be converted in the field for left-hand operation.

Kit Accessories

Bulletin 1494V Kit Accessories – Field Installed								
Description	Suffix Code		Switch Size					
			30 A	60 A	100 A	200 A	400 A	600 A
Longer connecting rod (9-1/2...23 in.)	A		A	A	A	A	A	A
Disconnect handle – Stainless steel	♦	B	A	A	A	A	A	A
Disconnect handle – Non-metallic	♦	C	A	A	A	A	—	—
Standard size wire connecting lugs – Line and load side	D		Included	A	A	A	A	A
Oversize wire connecting lugs – Line and load side	D1		—	—	—	A	A	—
Protective fuse cover with door	E		A	A	A	A	A	A
Auxiliary contact	1 N.O.		F	A	A	A	A	A
	2 N.O.		FF	A	A	A	A	A
	1 N.C.		G	A	A	A	A	A
	2 N.C.		GG	A	A	A	A	A
Electrical interlock (Early break)	1 N.O. & 1 N.C.		H	A	A	A	A	A
	2 N.O. & 2 N.C.		HH	A	A	A	A	A

♦ Metal disconnect handle provided as standard. For stainless steel handle, select suffix code B. For non-metallic handle, select suffix code C.

Disconnect Switches

Continuous Current Rating [A] 600V AC 250V DC	NEMA, UL, CSA Maximum Rating Hp				AC 1-Phase		DC‡	IEC Utilization Category AC-23 Maximum Rating kW			Switch with Right-Hand Mechanism	Switch with Left-Hand Mechanism
	3-Phase, 60 Hz				115	230		250	3-Phase, 50 Hz			
	200...208V	230V	460V	575V			220...240V		380...440V	500...600V	Cat. No. Switch Only	Cat. No. Switch Only
30	7.5	7.5	15	20	2	3	5	5.5	11	15	1494V-DS30	1494V-DSX30
60	15	15	30	50	3	10	10	11	22	37	1494V-DS60	1494V-DSX60
100	25	30	60	75	—	—	20	22	45	55	1494V-DS100	1494V-DSX100
200	50...60	60	125	150	—	—	40	48	90	110	1494V-DS200	1494V-DSX200
400	75	125	250	350	—	—	50	90	185	257	1494V-DS400	1494V-DSX400
600	150	200	400	500	—	—	50	150	295	375	1494V-DS600	§ 1494V-DS600

‡ Ratings based on utilizing two poles in series to break one line of the DC supply voltage and the remaining pole breaking the second DC supply line.

§ Switch can be converted in the field for left-hand operation.

Connecting Rods

Dimensions are in inches (millimeters). Approximate dimensions are not intended for manufacturing purposes.

Disconnect Switch Size [A]	Enclosure Depth Δ		Cat. No.
	Minimum	Maximum	
30, 60, 100, 200	6-3/4 (172)	9-1/8 (232)	1494V-RA3
	6-3/4 (172)	21-5/8 (549)	1494V-RA4
400, 600	9-1/2 (241)	10 (254)	◆ 1494V-RB3
	9-1/2 (241)	23 (584)	◆ 1494V-RB4

Δ Enclosure depth is measured from the top of the flange to the disconnect switch mounting surface (mm).

◆ Kit includes two connecting rods.

Operating Handles

Handle Type	Description	Mounting	Disconnect Switch Size [A]	Cat. No.
Type 1, 3R, 4, 4X, 12	Nonmetallic	Right or Left Flange	30, 60, 100, 200	1494F-P1
Type 1, 3R, 4, 12	Painted Metal	Right or Left Flange	30, 60, 100, 200	1494F-M1
			400, 600	1494F-M2
Type 4, 4X	Stainless Steel	Right or Left Flange	30, 60, 100, 200	1494F-S1
			400, 600	1494F-S2

Trailer Fuse Block Kits

For Class H, J, or R fuses, select the proper fuse clip kit from the table below.

Disconnect Switch Size [A]	Cat. No.
30	1494V-FS30
60	1494V-FS60
100	1494V-FS100
200	& 1494V-FS200
400	1494V-FS400
600 — 600 A Class J fuse	1494V-FS600
600 — 400 A Class H, J, and R fuse	1494V-FSV400
600 — 600 A Class H fuse	▶ 1491-N621
600 — 600 A Class R fuse	▶ 1491-R621

& When installing 400 A Class J fuses, use adapter kit that bolts to the switch (Cat. No. 1401-N171). Fuse clips are not required.

▶ Separately mounted fuse blocks (3 required).

Fuse Clip Kits














Includes six clips and mounting hardware.

Fuse Class	Fuse Clip Rating [A]		For Use With	Cat. No.
	250V	600V		
H/J	30	—	1494C, 1494F, 1494G, 1494M, 1494V Disconnect Switches	1401-N41
	60	30		1401-N42
	—	60		1401-N43
	100	100		1401-N44
	200	200		1401-N45
	400	400		1401-N46
	600	600		♣
	J	30		30
60		60	1401-N43	
100		100	1401-N44	
200		200	1401-N45	
400		400	1401-N46	
600		600	#	
R		30	—	1401-N50
	60	30	1401-N51	
	—	60	1401-N52	
	100	100	1401-N53	
	200	200	1401-N54	
	400	400	1401-N55	
	600	600	♣	

Fuse clips not required: fuse bolts directly to terminal.

♣ Included with Bulletin 1491 separately mounted fuse blocks.


Accessories

		Description	For Use With	Cat. No.	
		Auxiliary Contacts	1 N.O. Contact	1494C, 1494F, 1494V, and 1494G (30...400 A) Disconnect Switches	1495-N8
			1 N.O. Contact (low-level switching)		1495-N8X
			1 N.C. Contact	1494D, 1494V* (125...400 A Frame) Circuit Breakers	1495-N9
			1 N.C. Contact (low-level switching)		1495-N9X
		Auxiliary Contacts (600 A Disconnect Switch only)	1 N.O. Contact	1494C, 1494G, and 1494V Disconnect Switches 600 A only	* 595-A
Cat. No. 595-A	Cat. No. 595-B		1 N.C. Contact		* 595-B
		Auxiliary Contact Adapter Kit For Disconnect Switches	600 A		595-N1
Cat. No. 595-N1					
		Auxiliary Contact Adapter Kit For Disconnect Switches with Left-Hand Mechanism	30...100 A Disconnect Switch	1494V Disconnect Switch with Left-Hand Mechanism, 30...100 A	‡ 1495-N24
Cat. No. 1495-N24			200...400 A Disconnect Switch	1494V Disconnect Switch with Left-Hand Mechanism, 200...400 A	‡ 1495-N25
		Auxiliary Contact Adapter Kit For Circuit Breakers	125 A and 150 A Frame AllenBradley, Cutler-Hammer	1494D, 1494V Circuit Breakers	‡ 1495-N21
			250 A, 400 A Frame AllenBradley, Cutler-Hammer	1494V Circuit Breaker	‡ 1495-N23
			250 A Frame Allen-Bradley, Cutler-Hammer	1494D Circuit Breaker	‡ 1495-N22
			400 A Frame Allen-Bradley, Cutler-Hammer	1494D Circuit Breaker	‡ 1495-N16
			600 A, 800 A, 1200 A Frame Cutler-Hammer	1494D Circuit Breaker	‡ 1495-N13
Cat. No. 1495-N21	Cat. No. 1495-N23				
		Auxiliary Contacts	1 N.O. Contact	1494R Disconnect Switch 30 A, 60 A	895-A1
			1 N.C. Contact		895-B1
			1 N.O. and 1 N.C. Contact		895-C1
Cat. No. 895-A1	Cat. No. 895-M11	Auxiliary Contact Adapter Kit for 1 contact			895-M11
		Auxiliary Contact Adapter Kit for 2 contacts			895-M12
		Auxiliary Contacts	1 N.O. Contact	1494R Disconnect Switch 100 A, 200 A	895-A2
			1 N.C. Contact		895-B2
			1 N.O. and 1 N.C. Contact		895-C2
Cat. No. 895-A2	Cat. No. 895-M21	Auxiliary Contact Adapter Kit for 1 contact			895-M21
		Auxiliary Contact Adapter Kit for 2 contacts			895-M22
		Electrical Interlocks	1 N.O. and 1 N.C. — early break	1494C, 1494G & 1494V Disconnect Switches with Left-/Right-Hand Mechanism, 30...100 A & Right-Hand Mechanism, 600 A	§ 1495-N34
			2 N.O. and 2 N.C. — early break		§ 1495-N35
			1 N.O. and 1 N.C. — early break	1494C, 1494G, & 1494V Disconnect Switch with Right-Hand Mechanism, 200 A, 400 A	1495-N43
			2 N.O. and 2 N.C. — early break		1495-N44
			1 N.O. and 1 N.C. — early break	1494C and 1494V Disconnect Switch with Left-Hand Mechanism, 30...100 A	1495-N37
			2 N.O. and 2 N.C. — early break		1495-N38
			1 N.O. and 1 N.C. — early break	1494V Disconnect Switch with Left-Hand Mechanism, 200 A	1495-N39
			2 N.O. and 2 N.C. — early break		1495-N40
			1 N.O. and 1 N.C. — early break	1494V Disconnect Switch with Left-Hand Mechanism, 400 A	1495-N41
			2 N.O. and 2 N.C. — early break		1495-N42
10 A DPDT - early break (for 30 A, Type 1 & 3R only)	1494H Safety Switch	1495-N77			
15 A DPDT - early break (for 30 A, Type 12) 15 A DPDT - early break (for all 60 A, 100 A, & 200 A, Type 1, 3R, and 12)		1495-N78			
Cat. No. 1495-N34					
		Electrical Interlock Adapter Kit	600 A Disconnect Switch	1494C, 1494G, 1494V Disconnect Switch	1495-N36
Cat. No. 1495-N35					

* Requires an adapter kit on new installations.

‡ One adapter kit enables up to two auxiliary contacts to be installed.

§ Additional adapter kit (Cat. No. 1495-N36) required for installation on 600 A switch.

	Description Lug Connectors (3 per package) <table border="1"> <thead> <tr> <th>Disconnect Size [A]</th> <th>Wire Size</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>#14...8 AWG Wire</td> </tr> <tr> <td>60</td> <td>#14...4 AWG Wire</td> </tr> <tr> <td>100</td> <td>#8...1/0 AWG Wire</td> </tr> <tr> <td rowspan="2">200</td> <td>#6...4/0 AWG Wire</td> </tr> <tr> <td>#6...250 MCM Wire (oversized)</td> </tr> <tr> <td rowspan="2">400</td> <td>(2) #1/0...250 MCM AWG</td> </tr> <tr> <td>#4 AWG...500 MCM Wire (oversized)</td> </tr> <tr> <td rowspan="3">600</td> <td>(2) of #1/0...350 MCM Wire</td> </tr> <tr> <td>(2) of #1/0...350 MCM Wire</td> </tr> <tr> <td>(1) of #4...500 MCM Wire</td> </tr> </tbody> </table>	Disconnect Size [A]	Wire Size	30	#14...8 AWG Wire	60	#14...4 AWG Wire	100	#8...1/0 AWG Wire	200	#6...4/0 AWG Wire	#6...250 MCM Wire (oversized)	400	(2) #1/0...250 MCM AWG	#4 AWG...500 MCM Wire (oversized)	600	(2) of #1/0...350 MCM Wire	(2) of #1/0...350 MCM Wire	(1) of #4...500 MCM Wire	For Use With 1494C, 1494F, 1494G, and 1494V Disconnect Switches 1491-N621 or 1491-R621 600 A fuse blocks	Cat. No. * ♣ 1494R-N1 ♣ 1494R-N2 ♣ 1494R-N3 ♣ 199-LF1 ♣ 1494R-N14 ♣ 1494R-N15 ♣ 1494R-N10 Δ 1494R-N11 Δ 1494R-N12
Disconnect Size [A]	Wire Size																				
30	#14...8 AWG Wire																				
60	#14...4 AWG Wire																				
100	#8...1/0 AWG Wire																				
200	#6...4/0 AWG Wire																				
	#6...250 MCM Wire (oversized)																				
400	(2) #1/0...250 MCM AWG																				
	#4 AWG...500 MCM Wire (oversized)																				
600	(2) of #1/0...350 MCM Wire																				
	(2) of #1/0...350 MCM Wire																				
	(1) of #4...500 MCM Wire																				
Cat. No. 1494R-N3	Ground Connectors Ground Lug Kits <table border="1"> <tbody> <tr> <td>30...60 A</td> <td rowspan="3">1494C, 1494F, 1494G, and 1494V Disconnect Switches</td> </tr> <tr> <td>100...200 A</td> </tr> <tr> <td>400...600 A</td> </tr> <tr> <td>30, 60 A</td> <td>1494H & 1494HL Safety Switches</td> </tr> <tr> <td>100, 200 A</td> <td></td> </tr> </tbody> </table>	30...60 A	1494C, 1494F, 1494G, and 1494V Disconnect Switches	100...200 A	400...600 A	30, 60 A	1494H & 1494HL Safety Switches	100, 200 A		1494C, 1494F, 1494G, and 1494V Disconnect Switches 1494H & 1494HL Safety Switches	599-GR1 599-GR2 599-GR3 599-GR4 599-GR5										
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Cat. No. 599-GR1	Neutral Kits <table border="1"> <tbody> <tr> <td>30 A @ 250/600V AC Fusible (Type 1 & 3R)</td> <td rowspan="12">1494H Safety Switches</td> </tr> <tr> <td>30 A @ 250/600V AC Non-Fusible (Type 1 & 3R)</td> </tr> <tr> <td>30 A @ 250/600V AC Fusible & Non-Fusible (Type 12)</td> </tr> <tr> <td>60 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R)</td> </tr> <tr> <td>60 A @ 250/600V AC Fusible (Type 12)</td> </tr> <tr> <td>60 A @ 250/600V AC Non-Fusible (Type 12)</td> </tr> <tr> <td>100 A @ 250/600V AC Fusible (Type 1 & 3R)</td> </tr> <tr> <td>100 A @ 250/600V AC Non-Fusible (Type 1, 3R, and 12)</td> </tr> <tr> <td>100 A @ 250/600V AC Fusible (Type 12)</td> </tr> <tr> <td>200 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R)</td> </tr> <tr> <td>200 A @ 250/600V AC Fusible & Non-Fusible (Type 12)</td> </tr> </tbody> </table>	30 A @ 250/600V AC Fusible (Type 1 & 3R)	1494H Safety Switches	30 A @ 250/600V AC Non-Fusible (Type 1 & 3R)	30 A @ 250/600V AC Fusible & Non-Fusible (Type 12)	60 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R)	60 A @ 250/600V AC Fusible (Type 12)	60 A @ 250/600V AC Non-Fusible (Type 12)	100 A @ 250/600V AC Fusible (Type 1 & 3R)	100 A @ 250/600V AC Non-Fusible (Type 1, 3R, and 12)	100 A @ 250/600V AC Fusible (Type 12)	200 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R)	200 A @ 250/600V AC Fusible & Non-Fusible (Type 12)	1494H Safety Switches	599-NK1 599-NK2 599-NK3 599-NK4 599-NK5 599-NK6 599-NK7 599-NK8 599-NK9 599-NK10 599-NK11						
30 A @ 250/600V AC Fusible (Type 1 & 3R)	1494H Safety Switches																				
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		Phase Barrier Kits <table border="1"> <thead> <tr> <th>Disconnect Size [A]</th> </tr> </thead> <tbody> <tr> <td>30, 60</td> </tr> <tr> <td>100</td> </tr> <tr> <td>200</td> </tr> <tr> <td>400</td> </tr> </tbody> </table>	Disconnect Size [A]	30, 60	100	200	400	1494C, 1494F, 1494G, 1494V	1494F-PH2 1494F-PH3 1494F-PH4 1494F-PH5												
Disconnect Size [A]																					
30, 60																					
100																					
200																					
400																					

* All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.

Δ Each kits contains (2) lugs.

♣ Each kit contains (3) lugs.

Description		For Use With	Cat. No.	
Fuse Clips (6 per package)		1494C, 1494F, 1494G, and 1494V Disconnect Switches		
Fuse Class	Fuse Clip Rating [A]			
	250V	600V		
H/J	30	–	1401-N41	
	60	30	1401-N42	
	–	60	1401-N43	
	100	100	1401-N44	
	200	200	1401-N45	
	400	400	1401-N46	
J	30	30	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N42
	60	60	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N43
	100	100	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N44
	200	200	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N45
	400	400	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N46
	600	600	1494V-FS600 Fuse Blocks	‡
R	30	–	1494C, 1494F, 1494G, and 1494V Disconnect Switches	1401-N50
	60	30		1401-N51
	–	60		1401-N52
	100	100		1401-N53
	200	200		1401-N54
	400	400		1401-N55
H, R	600	600	1491 Fuse Blocks	§
Class R Fuse Clip Kits		1494H Safety Switches		
30 A @ 250V AC (Type 1, 3R, 12)			1401-N70	
30 A @ 600V AC (Type 1, 3R)			1401-N71	
30 A @ 600V AC (Type 12)			1401-N72	
60 A @ 250V AC (Type 1, 3R, 12)			1401-N73	
60 A @ 600V AC (Type 1, 3R, and 12)			1401-N74	
100 A @ 250/600V AC (Type 12)			1401-N76	
100 A @ 250/600V AC (Type 1 & 3R)			1401-N77	
200 A @ 250/600V AC (Type 1, 3R, and 12)				
30 A @ 250V AC (Type 1 & 3R)		1494HL Safety Switches	1401-N78	
60 A @ 250V AC (Type 1 & 3R)			1401-N79	
100 A @ 250V AC (Type 1 & 3R)			1401-N80	
100 A @ 250V AC (Type 1 & 3R)			1401-N81	
200 A @ 250V AC (Type 1 & 3R)				



§ Included with Bulletin 1491 separate mounted fuse blocks. One fuse block kit per pole required.

‡ Fuse clips not required; fuse bolts directly to terminal.

Protective Fuse Covers (for use with Bul. 1494C, 1494F, 1494G, and 1494V disconnect switches)

Switch Rating [A]	Fuse Class	Fuse Clip Rating [A]		Cat. No.	
		250V	600V		
30	Non-fusible	—	—	1495-N64	
30	H, R	30	—		
60	H, R	60	—		
30	J	30	30		
60	J	60	60		
60	Non-fusible	—	—		
100	Non-fusible	—	—		
30	H, R	—	30	1495-N65	
60	H, R	—	60		
100	J	100	100		
100	H, R	100	100	1495-N66	
100	J	200	200		
200	Non-fusible	—	—	◆	1495-N67
200	H, J, R	200	200		
200	J	400	400		
200	Non-fusible	—	—	♣	1495-N62
200	H, J, R	200	200		
400	Non-fusible	—	—	◆	1495-N68
400	H, J, R	400	400		
400	Non-fusible	—	—	♣	1495-N63
400	H, J, R	400	400		
600	Non-fusible	—	—	◆	1495-N61
600	J	600	600		
600	H, J, R	600	600	▶	1495-N69



Protective Line Covers (for use with Bul. 1494C, 1494F, 1494G, and 1494V disconnect switches)

30, 60, 100	—	—	—	1495-N80
200	—	—	—	1495-N81
400	—	—	—	1495-N82
600	—	—	—	1495-N83



Terminal Lug Adapter Kit — allows two wires (maximum 8 AWG) to be installed on the line side or load side (for use with Bul. 1494C, 1494F, 1494G, and 1494V disconnect switches)






30	—	—	—	1494R-N16
60	—	—	—	1494R-N17
100	—	—	—	1494R-N18
200, 400	—	—	—	1494R-N19







◆ Switch with right-hand mechanism.

♣ Switch with left-hand mechanism.

▶ Used with Bulletin 1491-N621 and 1491-R621 on Bulletin 1494V/1494C/1494G.

Image	Description	For Use With	Cat. No.
	Defeater Bracket Extension Kit For use with operating handles that do not align properly with the door catch or door hardware on enclosures with a rolled lip flange construction.	All 1494F and 1494V Handles (except 1494V-R1 and 1494V-R2)	1494V-H12
	Channel Support Kits For use to prevent flexing of the operating handle mounting surface. This is especially useful when the operating handle is mounted on a channel in a multi-door enclosure.	30...200 A Switches Applies only to Operating Handle Cat. Nos. 1494F-P1, M1, and S1.	1494V-H15
	Conduit Hubs (for Type 3R enclosures)* 19.05 mm (3/4 in.) hub 25.4 mm (1 in.) hub 31.75 mm (1-1/4 in.) hub 38.1 mm (1-1/2 in.) hub 50.8 mm (2 in.) hub 63.5 mm (2-1/2 in.) hub	30 A, 60 A, 100 A 30 A, 200 A 60 A 100 A — 200 A	1494H Safety Switches 1495-N71 1495-N72 1495-N73 1495-N74 1495-N75 1495-N76
	Non-Metallic Conduit Connectors 1/2 in. (12.7 mm) 3/4 in. (19 mm) 1 in. (25.4 mm) 1-1/4 in. (31.75 mm) 1-1/2 in. (38.1 mm) 2 in. (50.8 mm) 2-1/2 in. (63.5 mm) 3 in. (76.2 mm)	30 A 30 A 30 A 60 A 100 A 200 A 200 A 400...600 A	1494G Disconnect Switches 1490-N1 1490-N9 1490-N10 1490-N11 1490-N5 1490-N6 1490-N7 1490-N8
	Grounding Adapters #14...10 AWG, 1/2 in. (12.7 mm) #14...8 AWG, 3/4 in. (19 mm) #14...8 AWG, 1 in. (24.5 mm) #14...4 AWG, 1-1/4 in. (31.8 mm) #8...1/0 AWG, 1-1/2 in. (38.1 mm) #8...1/0 AWG, 2 in. (50.8 mm) #6...2/0 AWG, 2-1/2 in. (63.5 mm) #6...4/0 AWG, 3 in. (76.2 mm)	30 A 30 A 30 A 60 A 100 A 200 A 200 A 400...600 A	1490-N19 1490-N20 1490-N21 1490-N22 1490-N23 1490-N24 1490-N25 1490-N26

* Packaged in quantities of 10.

Description		For Use With	Cat. No.♣
	Type 12 Door Hardware Kit Includes: handle, cam, defeater actuator lever, rollers, and shims	1494C, All 1494V	* 1494V-L1
	Enclosure Height less than 40 in. (1016 mm) Top and Side (Right Hand)		
	Top and Side (Left Hand)		* 1494V-LL1
	Enclosure Height 40...60 in. (1016...1524 mm) Top and Side (Right Hand) Bottom		* 1494V-L1 and 1494V-L2
	Top and Side (Left Hand) Bottom		* 1494V-LL1 and 1494V-L2
	Enclosure Height greater than 60 in. (1524 mm) Top, Side, and Bottom (Right Hand)		* 1494V-L3
Cat. No. 1494V-L1 	Cat. No. 1494V-L3 Top, Side, and Bottom (Left Hand)		* 1494V-LL3
	Type 12 Door Hardware Kit Includes: Handle, cam, defeater actuator lever, rollers, and shims	1494F, 1494D	* 1494F-L1
	Enclosure Height less than 30 in. (762 mm) Top and Side (Right Hand)		
	Top and Bottom (Right Hand)		* 1494F-L2
	Enclosure Height 30...48 in. (762...1219 mm) Top and Bottom (Right Hand) Side		* 1494F-L2 and 1494F-L3
	Enclosure Height greater than 48 in. (1219 mm) Top, Side, and Bottom (Right Hand)		‡ 1494F-L4
Cat. No. 1494F-L2 and 1494F-L3			
	Master Door Interlock Kits Interlock kits are designed to provide interlocking between the master and auxiliary doors of the same enclosure and for use with Cat. Nos. 1494F-L4 hardware kits or Cat. No. 1494V-L3 hardware kits. Specify one master door kit and as many auxiliary door kits as necessary (9 maximum). Connecting bars must be supplied by user.	1494C, 1494F, 1494D, 1494V	§ 1494F-N20
	Cat. No. 1494F-N20 Auxiliary Door Interlock Kit		1494F-N21

* Door hardware kit does not include rectangular connecting bars (1/4 x 1/2 in.). To be provided by customer.

‡ Door hardware kit does not include rectangular connecting bars (1/4 x 5/8 in.). To be provided by customer.

§ Master door interlock kit does not include rectangular connecting bars (3/8 x 3/8 in.). To be provided by customer.

♣ If the Rockwell Automation door hardware kits are to be installed in a commercially available enclosure, consult the enclosure manufacturer's application data for proper kit selection.

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					
IEC Ratings			Ui 660V		I _{th} 10 A			
			ACII U _x		12...120V 220...240V 380...400V 500...600V		I _e 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 60 A 100 A 200 A 400 A 600 A	#10 - 32 screw and self-lifting pressure plate 1/4 in. - 28 screw-lug, copper 5/16 in. - 24 screw-lug, copper 3/8 in. - 24 screw-lug, copper 3/8 in. - 24 screw-lug, copper 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 (mm ²)		30 A 60 A 100 A 200 A 400 A 600 A	#14...8 AWG (1.5...10 mm ²) #14...4 AWG (2.5...16 mm ²) #8...1/0 AWG (10...50 mm ²) #6...4/0 AWG (16...95 mm ²) 2 of #1/0 AWG...250 MCM (2 per lug) 2 of 185 mm ² ...250 MCM or (1) #4 AWG...500 MCM 2 of #1/0 AWG...350 MCM (2 per lug) 2 of 185 mm ² ...350 MCM or (1) #4 AWG...500 MCM					
Recommended Torque		30 A 60 A 100 A 200 A 400 A 600 A	Conductor into Lug 20 lb•in 45 lb•in 150 lb•in 275 lb•in 325 lb•in 325 lb•in			Lug to Terminal 20 lb•in 50 lb•in 90 lb•in 175 lb•in 175 lb•in 275 lb•in		
Switches, Mechanisms, and Accessory Kits			Zinc-plated steel, RoHS Compliant finish					

Bulletin 1494H, 1494HL Disconnect Switches

Disconnect Switch Electrical Ratings

Switch Size			30 A	60 A	100 A	200 A
Rated insulation voltage Ui (UL) IEC			(600) 660V			
Ratings UL/CSA/NEMA	Hp	230V/60 Hz	10	20	40	60
		460V/60 Hz	20	50	75	125
		575V/60 Hz	30	60	100	150
	250V DC	5	10	20	40	
	Continuous Current	600V AC 250V DC	30	60	100	200

Auxiliary Contact Electrical Ratings

Continuous Current	10 A	15 A
Pole Configuration	DPDT	DPDT

Mechanical

Degree of protection	Operating handles	Painted Type 1, 3R, 12
Mechanical life (Typical)		10 000 operations
Switching frequency (operations/hr)		300 maximum

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 (30...100 A) 100 000 A: with Class J or Class R fuses (200 A)

Construction

Switch body material		Phenolic
Contact material		Copper, tin-plated
Terminals	30 A 60 A 100 A 200 A	#10 - 32 screw and self-lifting pressure plate 1/4 in. - 28 screw-lug, copper 5/16 in. - 24 screw-lug, copper 3/8 in. - 24 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 (mm ²)	30 A 60 A 100 A 200 A	#14...8 AWG #12...2 AWG #10...1/0 AWG #2...250 MCM AWG
Recommended Torque	30 A 60 A 100 A 200 A	Conductor into Lug 36...40 lb•in 35...45 lb•in 35...50 lb•in 275 lb•in
Mechanisms		Zinc-plated steel, bronze chromate finish

Bulletin 1494D, 1494V Circuit Breakers

Electrical Ratings						
Frame Size	125 A	150 A	250 A	400 A	600 A	800 A 1200 A
Auxiliary Contacts						
1494V, 1494D						
NEMA/EEMAC	B600, P300					
IEC Ratings	ACII U _x		12...120V 220...240V 380...400V 500...600V	I _e	6 A 3 A 1.5 A 1.2 A	
Maximum Number of Auxiliary Contacts	2					
Mechanical Data						
Mechanical Life (Typical)	10 000					
Construction						
Mechanisms	Zinc-plated steel					
Environmental Data						
Ambient Temperature*	Operating	-20...+40 °C (-4...+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)					

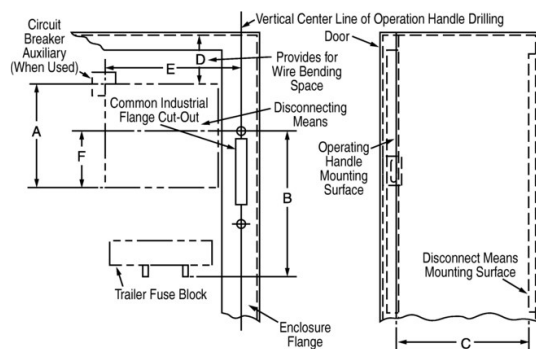
* Refer to circuit breaker specifications for other limitations.

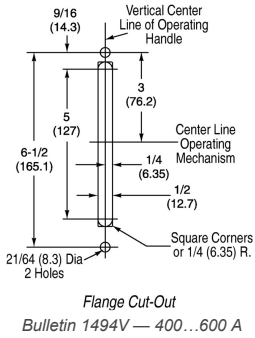
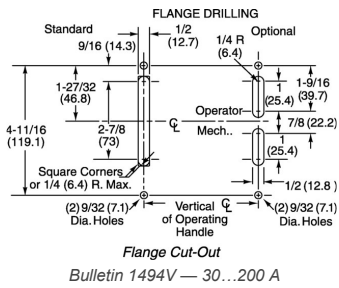
Bulletin 1491 Fuse Blocks

Electrical						
UL Fuse Type		Class H	Class J	Class R	Class C	Class CC
Maximum Fuse Cartridge Size		30...600 A	30...600 A	30...600 A	30...600 A	30 A
Maximum Voltage	AC	600V	600V	600V	600V	600V
	DC	250V	250V	250V	250V	250V
Thermal Current Rating		30...600 A	30...600 A	30...600 A	30...600 A	30 A
Maximum Short Circuit Prospective Fault Current		10 kA	200 kA	200 kA	100 kA	200 kA
Construction						
Fuse Clips	Tin-plated copper					
Terminals	Tin-plated copper					
Fuse Block Base	Phenolic or porcelain					
Environmental						
Ambient Temperature	Open	-20...+55 °C (-4...+131 °F)				
	Enclosed	-20...+40 °C (-4...+104 °F)				
	Storage	-40...+65 °C (-40...+149 °F)				
Altitude (per IEC 947-5)	2000 m					
Relative Humidity (per IEC 947-3)	90% at 20 °C (68 °F) and 50% at 40 °C (104 °F)					

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

Bulletin 1494V





Disconnect Switches★

NEMA Size [A]	A	B‡			C	D	E	F	Switch Mounting Hole Diameter
		Max.	Min.	Max.					
30	6-19/64 (160)	7-31/32 (202)	6-3/4 (171)	21-5/8 (549)	2-3/4 (69.9)	7-9/16 (192)	3-7/8 (98.5)	7/32 in.	
60	6-19/64 (160)	8-15/32 (215)	6-3/4 (171)	21-5/8 (549)	2-9/16 (65.1)	7-9/16 (192)	3-7/8 (98.5)	7/32 in.	
100	6-19/64 (160)	9-1/8 (231.8)	6-3/4 (171)	21-5/8 (549)	3-37/64 (90.9)	7-9/16 (192)	3-7/8 (98.5)	7/32 in.	
200	8-5/64 (205.2)	15-9/64 (384.5)	9-1/2 (241.3)	21-5/8 (549)	6-35/64 (166.3)	8-25/32 (223)	4-21/32 (118)	19/64 in.	
400	11 (279.4)	18-7/32 (462.7)	10-1/2 (266.7)	21-5/8 (549)	8 (203.2)	10 (254)	5-1/2 (139.7)	11/32 in.	
600	15-23/32 (399.2)	17-19/32 (446.8)§	10-1/2 (266.7)	21-5/8 (549)	12 (304.8)	11-27/32 (300.8)	8-51/64 (223.3)	11/32 in.	

★ Approximate dimensions are for reference only.

‡ This approximate dimension will vary by fuse class and size.

§ Approximate dimension with Class J fuses.

Bul. 140U and 140M Circuit Breakers♣

Frame	A	C		D	E	F
		Min.	Max.			
125A 140U-H, 140M-H, EF, HMCPE 150A 140U-I, 140M-I EHD, FD, FDB, FDC, HFD, HMCP	6 (152.4)	6-3/4 (171.5)	23 (584.2)	6 (152.4)	5-7/16 (138.1)	5 (127)
250A 140U-J, 140M-J 250A JD, JDB, JDC, HJD, HMCP	11-1/4 (285.8)	7-7/8 (200.0)	22-9/16 (573.1)	10 (254)	5-23/32 (145.2)	9-23/32 (246.8)
400 A 140U-K, 140M-K KD, KDB, KDC, HKD, HMCP 600 A 140U-L	11-3/8 (228.9)	7-7/8 (200.0)	22-9/16 (573.1)	12 (304.8)	7-1/8 (181.0)	9-21/32 (245.3)

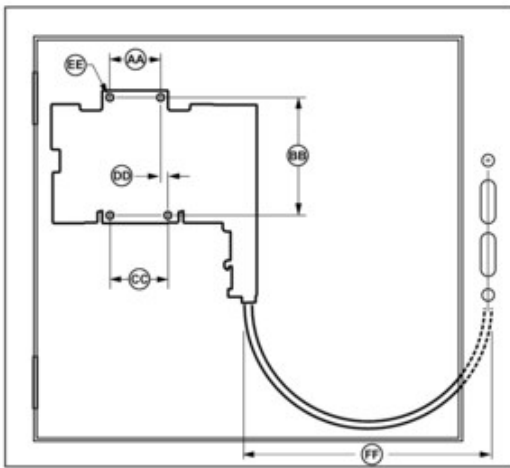
♣ Approximate dimensions are for reference only.

Bul. 140G Circuit Breakers♣

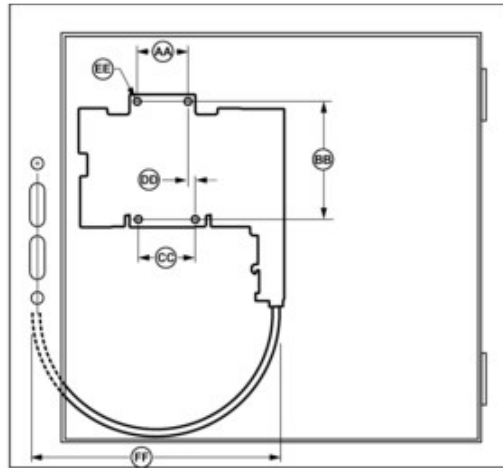
Frame	A	C		D	E	F
		Min.	Max.			
125 A 140G-G, -H 140MG-G, -H	5-7/64 (130.0)	6-3/4 (171.5)	23 (584.2)	2 (50.8)	5-3/4 (147.0)	7-13/64 (182.8)
250 A 140G-I, 140MG-I 140G-J, 140MG-J	5-13/32 (150.0) 6-19/64 (160.0)	7-7/8 (200.0)	22-9/16 (573.1)	6 (152.4)	5-3/4 (147.0)	7-13/64
400 A 140G-K, 140MG-K	8.1 (204.9)	7-7/8 (200.0)	22-9/16 (573.1)	12 (304.8)	7-1/4 (183.0)	8-23/64 (225.1)
800 A 140G-M, 140MG-M	10-3/64 (268.0)	11-3/16 (284.2)	22-9/16 (573.1)	12 (304.8)	10-3/64 (255.2)	9-3/64 (229.6)
1200 A 140G-N, 140MG-N	10-3/64 (268.0)	11-3/16 (284.2)	22-9/16 (573.1)	12 (304.8)	7-1/8 (181.0)	9-3/64 (229.6)

◆ Approximate dimensions are for reference only.

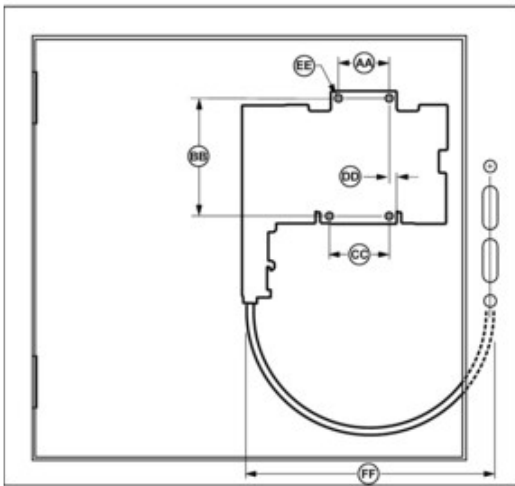
Bulletin 1494C



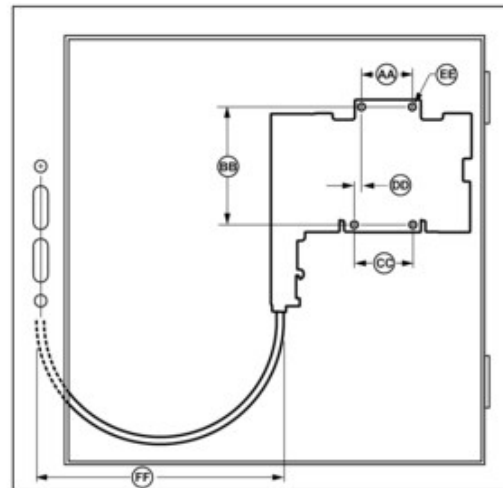
Enclosure with Right Hand Flange



Enclosure with Left Hand Flange



Enclosure with Right Hand Flange



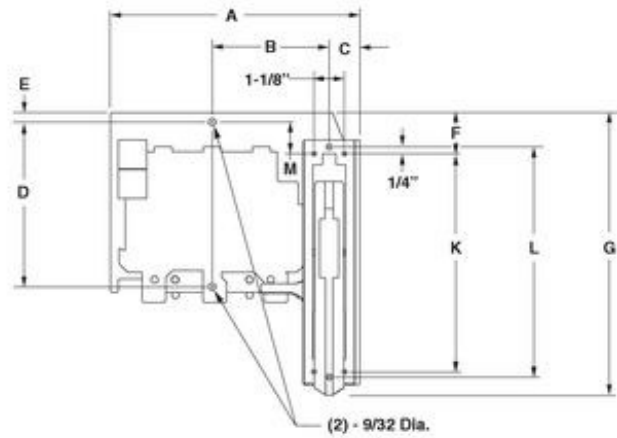
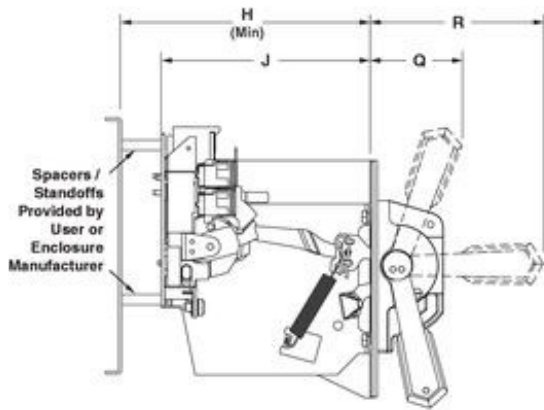
Enclosure with Left Hand Flange

Disconnect Switches

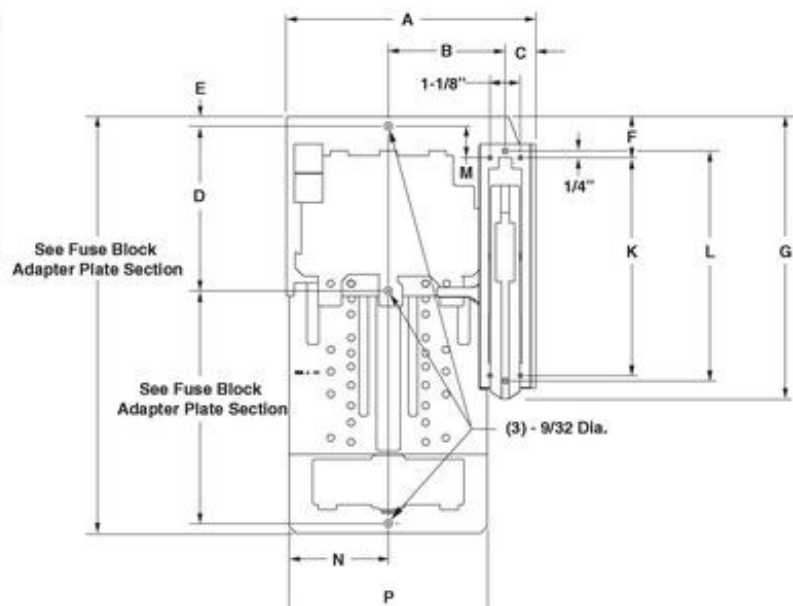
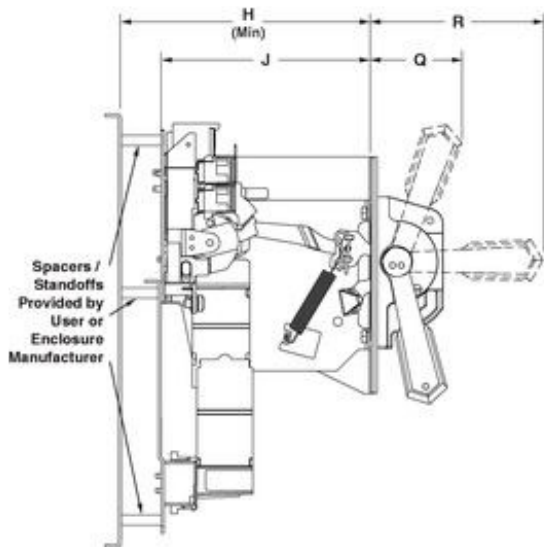
NEMA Size [A]	AA	BB	CC	DD	EE Mounting Plate Hole Diameter	FF Minimum Bevel Diameter
30	2-1/4 (57.2)	5-1/4 (133.4)	2-1/4 (57.2)	—	7/32 (5.54)	12 (304.8)
60	2-1/4 (57.2)	5-1/4 (133.4)	2-1/4 (57.2)	—	7/32 (5.54)	12 (304.8)
100	2-1/4 (57.2)	5-1/4 (133.4)	2-1/4 (57.2)	—	7/32 (5.54)	12 (304.8)
200	2 (50.8)	8-1/4 (209.6)	4-1/4 (108)	1-1/8 (28.6)	7/32 (5.54)	16 (406.4)
400	2 (50.8)	11 (279.4)	4-3/4 (120.7)	1-3/8 (34.9)	9/32 (7.14)	16 (406.4)
600	8-1/4 (209.6)	15 (381)	8-1/4 (209.6)	—	—	16 (406.4)

Bulletin 1494F Disconnect Switches

Non-Fusible Disconnect Switch

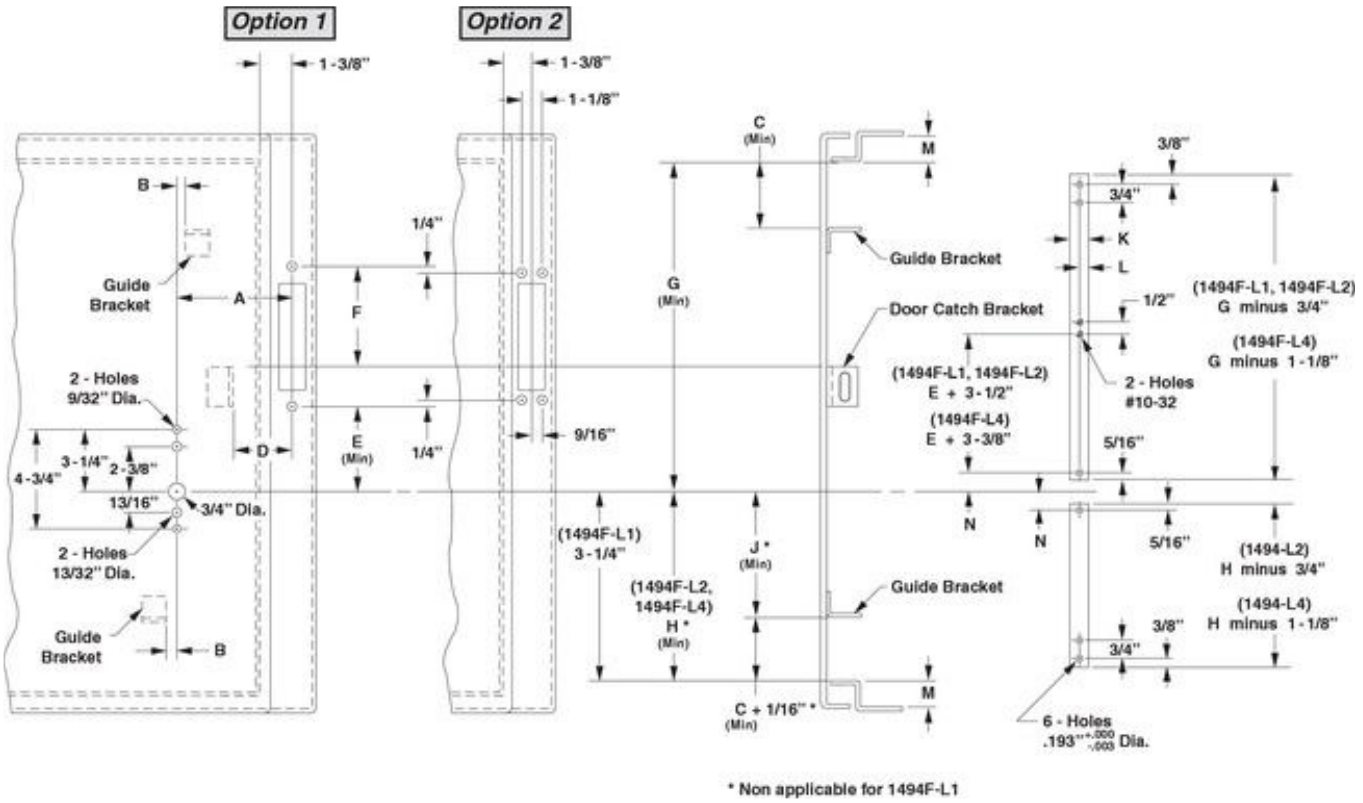


Fusible Disconnect Switch



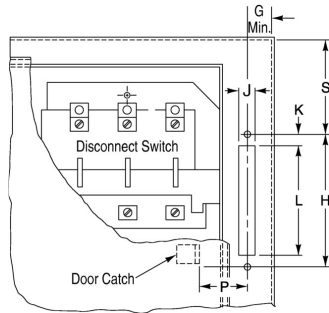
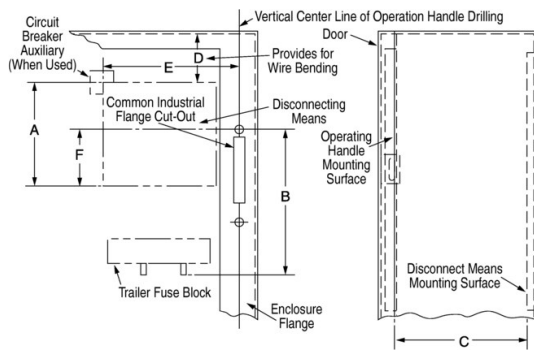
Switch Size [A]	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
30	9-3/16 (233.4)	4-5/16 (109.5)	1-1/8 (28.6)	6 (152.4)	3/8 (9.5)	1-9/16 (39.7)	10-1/2 (266.7)	8-1/2 (215.9)	6-7/8 (174.6)	8 (203.2)	8-1/2 (215.9)	15/16 (23.8)	3-21/32 (92.9)	7-5/16 (185.7)	3 (76.2)	5-7/16 (138.1)
60	9-3/16 (233.4)	4-5/16 (109.5)	1-1/8 (28.6)	6 (152.4)	3/8 (9.5)	1-9/16 (39.7)	10-1/2 (266.7)	8-1/2 (215.9)	6-7/8 (174.6)	8 (203.2)	8-1/2 (215.9)	15/16 (23.8)	3-21/32 (92.9)	7-5/16 (185.7)	3 (76.2)	5-7/16 (138.1)
100	9-3/16 (233.4)	4-5/16 (109.5)	1-1/8 (28.6)	6 (152.4)	3/8 (9.5)	1-9/16 (39.7)	10-1/2 (266.7)	9-3/4 (247.7)	8-1/8 (206.4)	8 (203.2)	8-1/2 (215.9)	15/16 (23.8)	3-21/32 (92.9)	7-5/16 (185.7)	3 (76.2)	5-7/16 (138.1)
200	9-5/8 (244.5)	4-3/4 (120.7)	1-5/32 (29.4)	8-3/16 (208)	7/16 (11.1)	2 (50.8)	10-29/32 (277)	9-3/4 (247.7)	8-1/8 (206.4)	8 (203.2)	8-1/2 (215.9)	1-5/16 (33.3)	3-3/4 (95.3)	7-1/2 (190.5)	3 (76.2)	5-7/16 (138.1)

Bulletin 1494F Disconnect Switches Vault Hardware Latching (Non Pre-drilled Enclosures)



Vault Hardware Kits*	Switch Size [A]	A	B	C (Min.)	D	E (Min.)	F	G (Min.)	H (Min.)	J (Min.)	K	L	M	N	
Small and Intermediate Enclosures															
1494F-L1 1494F-L2 1494F-L3	30	3-7/8 (98.4)	3/8 (9.5)	3-1/16 (77.8)	2-1/8 (54)	4-1/2 (114.3)	3-13/16 (96.8)	13 (330.2)	8-1/8 (206.4)	5 (127)	1/2 (12.7)	1/4 (6.4)	11/16 (17.5)	1/2 (12.7)	
	60							14 (355.6)							
	100							18-7/8 (479.4)							
	200							23-25/32 (604)							
Large Enclosures															
1494F-L4	30	4 (101.6)	1/2 (12.7)	3-3/4 (95.3)	2-1/8 (54)	5 (127)	3-13/16 (96.8)	13-1/8 (333.4)	9-13/16 (249.2)	6 (152.4)	5/8 (15.9)	5/16 (7.9)	1-1/4 (31.8)	3/4 (19.1)	
	60							13-5/8 (346.1)							
	100							18-1/2 (469.9)							
	200							23-13/32 (594.5)							

Bulletin 1494D Circuit Breakers



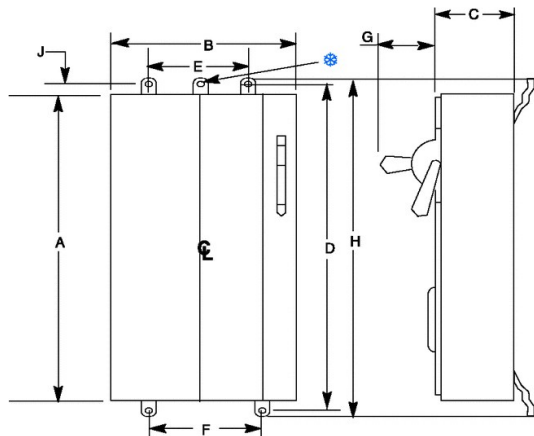
Flange Cut-Out

Cutler-Hammer Frame	A	C		D	E	F
		Min.	Max.			
150 A – EHD, FD, FDB, FDC, HFD, HMCP	7-13/16 (198.4)	6-3/8 (161.9)	–	6 (152.4)	5-5/8 (142.9)	6-7/16 (163.5)
250 A – JD, JDB, JDC, HJD, HMCP	11-1/2 (292.1)	8-3/8 (212.7)	–	8 (203.2)	5-13/16 (147.6)	9-7/16 (239.7)
400 A – KD, KDB, KDC, HKD, HMCP	11-1/2 (292.1)	8-3/8 (212.7)	–	12 (304.8)	6-7/8 (174.6)	9-7/16 (239.7)
600 A – LD, HLD, LDC, LA, HLA, LC, HLC	11-3/8 (288.9)	9-1/2 (241.3)	–	8 (203.2)	12 (304.8)	10-17/32 (267.5)
800 A – MA, MDL, HMDL, HMA, MC, ND, HND, NDC	16 (406.4)	9-1/2 (241.3)	–	10 (254)	12-5/16 (312.7)	15-3/32 (183.4)
1200 A – NB TRI-PAK	22 (558.8)	9-1/2 (241.3)	–	10 (254)	12-5/16 (312.7)	21-3/32 (535.8)
1200 A – HNC, ND, HND, NDC, NB, HNB, NC, HNC	16 (406.4)	9-1/2 (241.3)	–	12 (304.8)	12-5/16 (312.7)	25-3/32 (183.4)

♣ Approximate dimensions are for reference only.

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

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



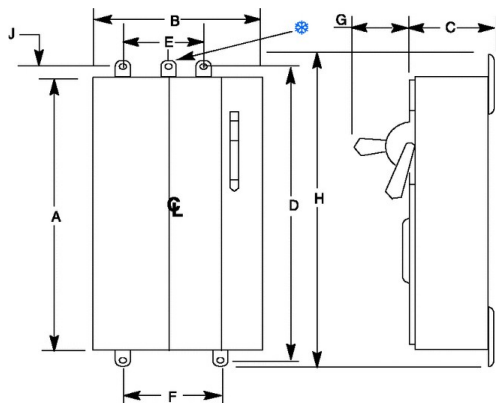
Size [A]	Fuse Style*	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]	
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J		
30	A	2 or 3	1494G	13-5/16	10-1/2	8-1/4	14-11/16	‡	5-1/4	5-9/16	15-21/32	11/32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

* 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.

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

Type 4/4X (Enclosure Code "C") Stainless Steel Enclosure



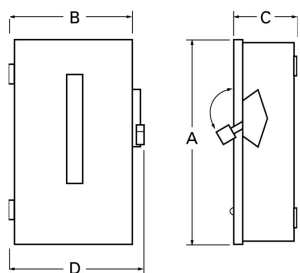
Size [A]	Fuse Style*	Number of Poles	Bulletin No.	Approximate Dimensions in Inches (Millimeters)									Approx. Shipping Weight [lb (kg)]
				A Height	B Width	C Depth	D Mounting	E Mounting	F Mounting	G Handle Depth	H	J	
30	A	2 or 3	1494G	13-5/16 (338)	10-1/2 (267)	8-9/16 (217)	14-11/16 (373)	‡	7 (178)	5-9/16 (141)	15-21/32 (398)	13/16 (21)	20 (9.07)
60													
30	B	2 or 3	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	‡	7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
	C	6											
	D												
60	B	2 or 3	1494G	27-1/2 (698)	10-1/2 (267)	8-1/4 (210)	28-7/8 (733)	‡	7 (178)	5-9/16 (141)	29-3/4 (756)	13/16 (21)	60 (27.21)
	C	6											
	D												
30	A	2 or 3	1494GY	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
	B												
60	A												
	B												
30	A	2 or 3	1494GX	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
	B												
60	A		1494G	30 (762)	20-1/2 (521)	9-7/8 (251)	31-3/8 (797)	17 (432)	17 (432)	5-9/16 (141)	32-1/4 (819)	13/16 (21)	90 (40.82)
	B												
100	A	2 or 3	1494G	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
	B												
	C	6											
	D												
100	A	2 or 3	1494GX	50 (1270)	22 (559)	11-3/16 (284)	51-3/8 (1305)	18-1/2 (470)	18-1/2 (470)	5-9/16 (141)	52-1/4 (1327)	13/16 (21)	200 (90.7)
	B												
200	A	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)	58-5/8 (1489)	1 (25.4)	300 (136.05)
	B												
	C	6											
	D												
400	A	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)	58-5/8 (1489)	1 (25.4)	300 (136.05)
	B												
600	A		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)	58-5/8 (1489)	1 (25.4)	300 (136.05)
	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.

Bulletin 1494H Heavy Duty Safety Switches

Type 1 (Enclosure Code "A") General Purpose Painted Metal Enclosures



Switch Size [A]	Fuse Style	A Height	B Width	C Depth	D Width (with handle)	Knockout Fig. #
30	240V	10-9/32 (261.1)	6-3/8 (162.1)	3-5/16 (84.1)	7-1/8 (181)	1
	600V	12-19/32 (319.8)	8-3/8 (212.9)	4 (101.6)	9-1/2 (241.3)	2
	Non-fusible	10-3/8 (263.7)	8-3/8 (212.9)	4 (101.6)	9-1/4 (235)	3
60	240V	17-19/32 (446.8)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	4
	600V	21-11/32 (542)				5
	Non-fusible	17-19/32 (446.8)				4
100	240V	21-11/32 (542)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	5
	600V	22-11/32 (567.4)				4
	Non-fusible	17-19/32 (446.8)				4
200	240V	31-5/8 (803.3)	13-7/16 (341.4)	5-1/4 (133.4)	14-7/16 (366)	6
	600V					
	Non-fusible					

Knockouts — Conduit Size

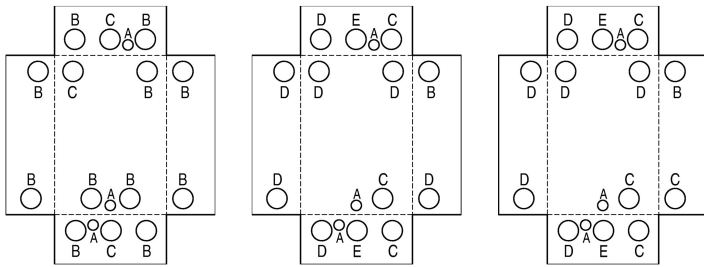


Fig. 1

Fig. 2

Fig. 3

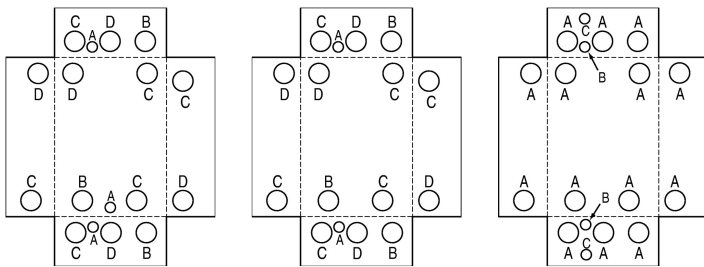


Fig. 4

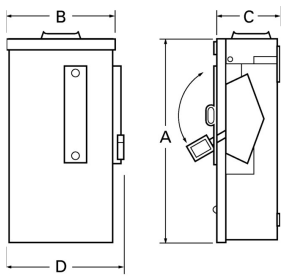
Fig. 5

Fig. 6

Switch Size [A]	Fuse Style	Knockouts				
		A	B	C	D	E
30	240V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	—	—
	600V			1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
	Non-fusible					
60	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	—
	600V					
	Non-fusible					
100	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	—
	600V					
	Non-fusible					
200	240V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	—	—
	600V					
	Non-fusible					

Bulletin 1494H Heavy Duty Safety Switches

Type 3R (Enclosure Code "N") Rain-Proof Painted Metal Enclosures



Switch Size [A]	Fuse Style	A Height	B Width	C Depth	D Width (with handle)	Knockout Fig. #
30	240V	10-5/8 (269.9)	6-3/8 (162.1)	3-5/16 (84.1)	7-1/8 (181)	7
	600V	13-13/64 (335.3)	8-3/8 (212.9)	4 (101.6)	9-13/32 (239)	8
	Non-fusible	13-13/64 (335.3)	8-3/8 (212.9)	4 (101.6)	9-13/32 (239)	8
60	240V	17-7/16 (443)	9-3/8 (238.3)	5 (127)	10-3/64 (255.3)	9
	600V	22-3/16 (563.6)			10-1/2 (267)	
	Non-fusible	17-7/16 (443)			10-3/64 (255.3)	
100	240V	22-3/16 (563.6)	9-3/8 (238.3)	5 (127)	10-1/2 (267)	9
	600V	22-3/16 (563.6)				
	Non-fusible	17-7/16 (443)			10-3/64 (255.3)	
200	240V	31-7/16 (798.6)	13-3/8 (339.9)	5-15/32 (138.9)	14-1/8 (361.9)	10
	600V					
	Non-fusible					

Knockouts — Conduit Size

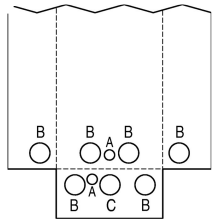


Fig. 7

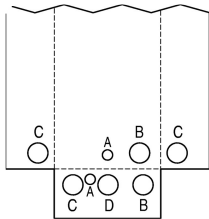


Fig. 8

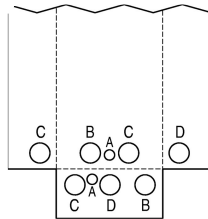


Fig. 9

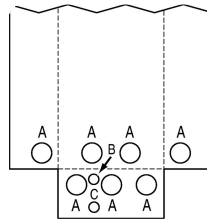
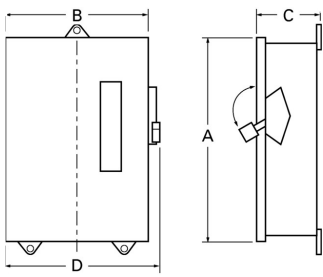


Fig. 10

Switch Size [A]	Fuse Style	Knockouts			
		A	B	C	D
30	240V	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	—
	600V		1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
	Non-fusible				
60	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
	600V				
	Non-fusible				
100	240V	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
	600V				
	Non-fusible				
200	240V	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	1/2 (12.7)	—
	600V				—
	Non-fusible				—

Bulletin 1494H Heavy Duty Safety Switches

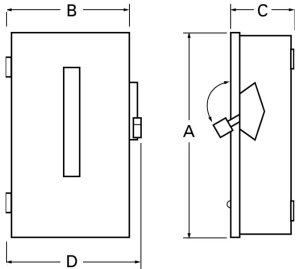
Type 12 (Enclosure Code "F") Dust-Tight Painted Metal Enclosures



Switch Size [A]	Fuse Style	A Height	B Width	C Depth	D Width (with handle)
30	240V	11-3/8 (288.9)	7-3/8 (187.3)	5-1/16 (128.6)	8-1/8 (206.4)
	600V	13-3/8 (339.7)	9-3/8 (238.1)	5-5/16 (134.9)	10-1/4 (260.4)
	Non-fusible			5-1/16 (128.6)	
60	240V	19-3/8 (492.1)	9-3/8 (238.1)	5-1/16 (128.6)	10-1/4 (260.4)
	600V			5-5/16 (134.9)	
	Non-fusible			5-1/16 (128.6)	
100	240V	25-3/8 (644.5)	13-1/2 (342.9)	5-1/16 (128.6)	14-1/4 (362)
	600V			5-5/16 (134.9)	
	Non-fusible				
200	240V	35-1/8 (892.2)	13-1/2 (342.9)	5-5/16 (134.9)	15-1/4 (387.4)
	600V		14-1/2 (368.3)		
	Non-fusible				

Bulletin 1494HL General Duty Safety Switches

Type 1 (Enclosure Code "A") General Purpose Painted Metal Enclosures



Switch Size [A]	Fuse Style	A Height	B Width	C Depth	D Width (with handle)	Knockout Fig. #
30	240V	10-9/32 (261.1)	6-1/2 (165.1)	3-5/16 (84.1)	6-29/32 (175.3)	1
60		13-27/32 (351.5)	8-1/2 (215.9)	4 (101.6)	8-7/8 (225.6)	2
100		21-11/32 (542)	9-1/2 (241.3)	5 (127)	9-7/8 (251)	3
200		29-1/8 (739.6)	13-7/16 (341.4)	5-5/16 (134.9)	13-15/16 (354.1)	4

Knockouts — Conduit Size

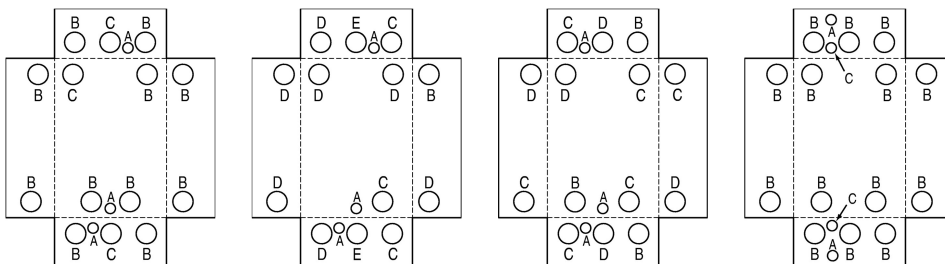


Fig. 1

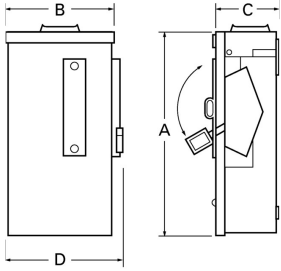
Fig. 2

Fig. 3

Fig. 4

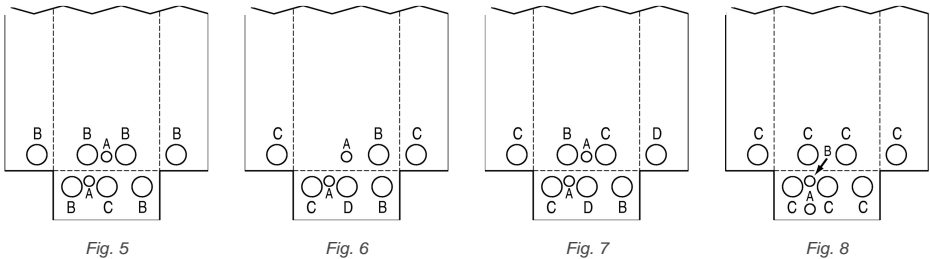
Switch Size [A]	Knockouts				
	A	B	C	D	E
30	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	—	—
60	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
100	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)	—
200	1/2 (12.7)	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	9/32 (7.1)	—	—

Type 3R (Enclosure Code "N") Rain-Proof Painted Metal Enclosures



Switch Size [A]	Fuse Style	A Height	B Width	C Depth	D Width (with handle)	Knockout Fig. #
30	240V	10-1/32 (254.8)	6-3/8 (162.1)	3-5/16 (84.1)	7-1/8 (180.8)	5
60		13-15/16 (353.8)	8-3/8 (212.9)	3-7/8 (225.6)	9-3/32 (230.9)	6
100		21-7/16 (544.3)	9-3/8 (238.3)	5 (127)	9-61/64 (252.7)	7
200		28-15/16 (735.1)	13-3/8 (339.9)	5-5/16 (134.9)	14-1/16 (357.1)	8

Knockouts — Conduit Size



Switch Size [A]	Knockouts			
	A	B	C	D
30	9/32 (7.1)	1/2 x 3/4 (12.7 x 19.1)	3/8 x 1/2 x 3/4 x 1 (9.5 x 12.7 x 19.1 x 25.4)	—
60	9/32 (7.1)	1/2 x 3/4 x 1 (12.7 x 19.1 x 25.4)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)
100	9/32 (7.1)	1/2 x 3/4 x 1 x 1-1/4 (12.7 x 19.1 x 25.4 x 31.8)	3/4 x 1 x 1-1/4 x 1-1/2 (19.1 x 25.4 x 31.8 x 38.1)	1 x 1-1/4 x 1-1/2 x 2 (25.4 x 31.8 x 38.1 x 50.8)
200	1/2 (12.7)	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	1 x 1-1/2 x 2 x 2-1/2 (25.4 x 38.1 x 50.8 x 63.5)	—