

PRODUCT PROFILE

BULLETIN 1494V

VARIABLE-DEPTH, FLANGE-MOUNTED DISCONNECT SWITCHES 30...600 A

Rockwell Automation introduces the enhanced version of Allen-Bradley Bulletin 1494V Variable-Depth, Flange-Mounted Disconnect Switches that meet industrial requirements for dependable disconnecting means.

Configure one catalog number as a complete kit, which includes the basic switch components and any optional accessories.

ADVANTAGES

Time-Proven Design

- Exceptionally long life (over 20,000 operations)
- New lower profile design minimizes panel space
- Available in switch ratings 30 A...600 A
- Non-fusible or fusible (Class H, J, R)

Integral Switch and Mechanism

- Right flange installation (existing cat. no.)
- Left flange installation (new cat. no.)

Ease of Installation

- External mounting holes
 - Easier to see
 - Faster installation time
 - No special tools required
- Simple, easy-to-use templates provided with each switch greatly reduce panel layout time

NFPA 79 Compliant

- Switch, mechanism, and handle are always connected, even when the enclosure door is open

Safer Solution

- Highly visible switch blades
- Line-side shield where power is typically present
- Protective covers for fuses and load wires
- Color-coded handle provides visual status



CONFIGURATION OF A DISCONNECT SWITCH KIT

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

a

DISCONNECT SWITCH	
Code	Description
1494V	Variable-Depth Flange mounted

b

FUSING	
Code	Description
Switch with <u>right-hand</u> mechanism	
DN	Non-fusible
DH	Class H fuse clips
DJ	Class J fuse clips
DR	Class R fuse clips
Switch with <u>left-hand</u> mechanism	
DNX	Non-fusible
DHX	Class H fuse clips
DJX	Class J fuse clips
DRX	Class R fuse clips

c

SWITCH AND FUSE RATING	
NON-FUSIBLE	
Code	Description
30	30 A switch
60	60 A switch
100	100 A switch
200	200 A switch
400	400 A switch
600	600 A switch
FUSIBLE	
233	250V; 30 A switch, 30 A clips
236	250V; 30 A switch, 60 A clips
263	250V; 60 A switch, 30 A clips
266	250V; 60 A switch, 60 A clips
261	250V; 60 A switch, 100 A clips
216	250V; 100 A switch, 60 A clips
211	250V; 100 A switch, 100 A clips
212	250V; 100 A switch, 200 A clips
221	250V; 200 A switch, 100 A clips
222	250V; 200 A switch, 200 A clips
224	250V; 200 A switch, 400 A clips
242	250V; 400 A switch, 200 A clips
244	250V; 400 A switch, 400 A clips
204	250V; 600 A switch, 400 A clips
206	250V; 600 A switch, 600 A clips
633	600V; 30 A switch, 30 A clips
636	600V; 30 A switch, 60 A clips
663	600V; 60 A switch, 30 A clips
666	600V; 60 A switch, 60 A clips
661	600V; 60 A switch, 100 A clips
616	600V; 100 A switch, 60 A clips
611	600V; 100 A switch, 100 A clips
612	600V; 100 A switch, 200 A clips
621	600V; 200 A switch, 100 A clips
622	600V; 200 A switch, 200 A clips
624	600V; 200 A switch, 400 A clips
642	600V; 400 A switch, 200 A clips
644	600V; 400 A switch, 400 A clips
604	600V; 600 A switch, 400 A clips
606	600V; 600 A switch, 600 A clips

d

OPTIONAL ACCESSORIES (FIELD INSTALLED)	
Code	Description
A	Long Connecting Rod
B	Stainless Steel Handle
C	Non-Metallic Handle ‡
D	Standard Size Line & Load Lugs
D1	Oversized Line & Load Lugs*
E	Protective Fuse Cover
F	(1) N.O. Auxiliary Contact *
FF	(2) N.O. Auxiliary Contacts *
G	(1) N.C. Auxiliary Contact *
GG	(2) N.C. Auxiliary Contacts*
H	(1) N.O. and (1) N.C. Electrical Interlock
HH	(2) N.O. and (2) N.C. Electrical Interlock

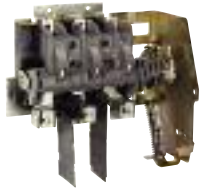
* Maximum of (2) auxiliary contacts

‡ For use with 30 A - 200 A switches

Only available with 200 A and 400 A switches

BASIC KIT

Non-Fusible Kit



Disconnect Switch



Connecting Rod



Operating Handle
(Painted Metal)



Fuse Clip Kit



Trailer Fuse Block Kit

Fusible Kit

Continuous Current Rating (A) 600V AC 250V DC	UL and CSA Applications Maximum HP					AC 1Ø		DC*		IEC Applications Maximum kW (AC23)			Fuse Clip Rating (A)		Fuse Class	Switch with Right-Hand Mechanism		Switch with Left-Hand Mechanism	
	3Ø, 60 Hz					115V	230V	125V	250V	3Ø, 50 Hz			250V	600V		Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit	Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit
	115V	200...208V	230V	460V	575V					220...240V	380...440V	500...600V				Cat. No.	Cat. No.	Cat. No.	Cat. No.
30	3	7.5	7.5	15	20	2	3	3	5	5.5	11	15	30	—	H	1494V-DH233	1494V-DN30	1494V-DHX233	1494V-DNX30
													30	—	R	1494V-DR233		1494V-DRX233	
													30	—	J	1494V-DJ233		1494V-DJX233	
													—	30	H	1494V-DH633		1494V-DHX633	
													—	30	R	1494V-DR633		1494V-DRX633	
													—	30	J	1494V-DJ633		1494V-DJX633	
													60	—	H	1494V-DH236		1494V-DHX236	
													60	—	R	1494V-DR236		1494V-DRX236	
													60	—	J	1494V-DJ236		1494V-DJX236	
													—	60	H	1494V-DH636		1494V-DHX636	
													—	60	R	1494V-DR636		1494V-DRX636	
													—	60	J	1494V-DJ636		1494V-DJX636	
60	7.5	15	15	30	50	3	10	5	10	11	22	37	30	—	H	1494V-DH263	1494V-DN60	1494V-DHX263	1494V-DNX60
													30	—	R	1494V-DR263		1494V-DRX263	
													30	—	J	1494V-DJ263		1494V-DJX263	
													—	30	H	1494V-DH663		1494V-DHX663	
													—	30	R	1494V-DR663		1494V-DRX663	
													—	30	J	1494V-DJ663		1494V-DJX663	
													60	—	H	1494V-DH266		1494V-DHX266	
													60	—	R	1494V-DR266		1494V-DRX266	
													60	—	J	1494V-DJ266		1494V-DJX266	
													—	60	H	1494V-DH666		1494V-DHX666	
													—	60	R	1494V-DR666		1494V-DRX666	
													—	60	J	1494V-DJ666		1494V-DJX666	
100	100	H	1494V-DH661	1494V-DHX661															
100	100	R	1494V-DR661	1494V-DRX661															
100	100	J	1494V-DJ661	1494V-DJX661															
100	—	25	30	60	75	—	—	—	20	22	45	55	60	—	H	1494V-DH216	1494V-DN100	1494V-DHX216	1494V-DNX100
													60	—	R	1494V-DR216		1494V-DRX216	
													60	—	J	1494V-DJ216		1494V-DJX216	
													—	60	H	1494V-DH616		1494V-DHX616	
													—	60	R	1494V-DR616		1494V-DRX616	
													—	60	J	1494V-DJ616		1494V-DJX616	
													100	—	H	1494V-DH211		1494V-DHX211	
													100	—	R	1494V-DR211		1494V-DRX211	
													100	—	J	1494V-DJ211		1494V-DJX211	
													—	100	H	1494V-DH611		1494V-DHX611	
													—	100	R	1494V-DR611		1494V-DRX611	
													—	100	J	1494V-DJ611		1494V-DJX611	
—	200	J	1494V-DJ612	1494V-DJX612															

BASIC KIT

Continuous Current Rating (A) 600V AC 250V DC	UL and CSA Applications Maximum HP					AC 1Ø				IEC Applications Maximum kW (AC23)			Fuse Clip Rating (A)		Fuse Class	Switch with Right-Hand Mechanism		Switch with Left-Hand Mechanism																
	3Ø, 60 Hz					115V	230V	125V	250V	3Ø, 50 Hz			250V	600V		Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit	Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit															
	115V	200...208V	230V	460V	575V					220...240V	380...440V	500...600V				Cat. No.	Cat. No.	Cat. No.	Cat. No.															
200	—	50...60	60	125	150	—	—	—	40	48	90	110	100	—	H	1494V-DH221	1494V-DN200	1494V-DHX221	1494V-DNX200															
													100	—	R	1494V-DR221		1494V-DRX221																
													100	—	J	1494V-DJ221		1494V-DJX221																
													—	100	H	1494V-DH621		1494V-DHX621																
													—	100	R	1494V-DR621		1494V-DRX621																
													—	100	J	1494V-DJ621		1494V-DJX621																
													200	—	H	1494V-DH222		1494V-DHX222																
													200	—	R	1494V-DR222		1494V-DRX222																
													200	—	J	1494V-DJ222		1494V-DJX222																
													—	200	H	1494V-DH622		1494V-DHX622																
													—	200	R	1494V-DR622		1494V-DRX622																
													—	200	J	1494V-DJ622		1494V-DJX622																
													—	400	J	1494V-DJ624		1494V-DJX624																
													400	—	75	125		250		300	—	—	—	50	90	185	259	200	—	H	1494V-DH242	1494V-DN400	1494V-DHX242	1494V-DNX400
200	—	R	1494V-DR242	1494V-DRX242																														
200	—	J	1494V-DJ242	1494V-DJX242																														
—	200	H	1494V-DH642	1494V-DHX642																														
—	200	R	1494V-DR642	1494V-DRX642																														
—	200	J	1494V-DJ642	1494V-DJX642																														
400	—	H	1494V-DH244	1494V-DHX244																														
400	—	R	1494V-DR244	1494V-DRX244																														
400	—	J	1494V-DJ244	1494V-DJX244																														
—	400	H	1494V-DH644	1494V-DHX644																														
—	400	R	1494V-DR644	1494V-DRX644																														
—	400	J	1494V-DJ644	1494V-DJX644																														
600	—	150	200	400	500	—	—	—	50	150	295	375					400		—									H	1494V-DH204	1494V-DN600	1494V-DHX204		1494V-DNX600	
																	400		—									R	1494V-DR204		1494V-DRX204			
													400	—	J	1494V-DJ204	1494V-DJX204																	
													—	400	H	1494V-DH604	1494V-DHX604																	
													—	400	R	1494V-DR604	1494V-DRX604																	
													—	400	J	1494V-DJ604	1494V-DJX604																	
													600	—	H	1494V-DH206	1494V-DHX206																	
													600	—	R	1494V-DR206	1494V-DRX206																	
													600	—	J	1494V-DJ206	1494V-DJX206																	
													—	600	H	1494V-DH606	1494V-DHX606																	
													—	600	R	1494V-DR606	1494V-DRX606																	
													—	600	J	1494V-DJ606	1494V-DJX606																	

* Convertible in the field

KIT OPTIONS



Disconnect Handles



Wire Connecting Lugs



Auxiliary Contact



Electrical Interlock – 1 N.O. - 1 N.C.



Long Connecting Rod

Protective Fuse Cover with Door

OPTIONAL ACCESSORIES – FIELD INSTALLED

Description	Suffix Code	
Longer Connecting Rod 9 1/2 in. (min.) — 23 in. (max.)	A	
Disconnect Handle — Stainless Steel	B	
Disconnect Handle — Non-Metallic	C	
Standard Size Wire Connecting Lugs — Line and Load Side	D	
Oversize Size Wire Connecting Lugs — Line and Load Side (200 A and 400 A only)	D1	
Protective Fuse Cover with Door	E	
Auxiliary Contact	1 N.O.	F
	2 N.O.	FF
	1 N.C.	G
	2 N.C.	GG
Electrical Interlock	1 N.O. & 1 N.C.	H
	2 N.O. & 2 N.C.	HH

Example

1494V-DH266-A-C-D-E Basic 60 A fusible disconnect switch with optional longer connecting rod, non-metallic handle, line and load lugs, fuse cover

DISCONNECT SWITCH COMPONENTS

Right-Hand Mechanism



Left-Hand Mechanism



DISCONNECT SWITCHES

Continuous Current Rating (A) 600V AC 250V DC	NEMA, UL, CSA Maximum Rating Hp				AC 1Ø		DC	IEC Utilization Category AC-23 Maximum Rating kW			Switch with Right-Hand Mechanism	Switch with Left-Hand Mechanism
	3Ø, 60 Hz				115	230		3Ø, 50 Hz				
	200...208V	230V	460V	575V			250	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*

* Convertible in the field to left-hand operation



CONNECTING RODS

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

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

▲ Kit includes two connecting rods

OPERATING HANDLES

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



TRAILER FUSE BLOCK KITS

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

Disconnect Switch Size (A)	Cat. No.
30	1494V-FS30
60	1494V-FS60
100	1494V-FS100
200	1494V-FS200
400	1494V-FS400
600	1494V-FS600 (600 A Class J fuse)
600	1494V-FSV400 (400 A Class J fuse)
600	1491-N621 (600 A Class H fuse)
600	1491-R621 (600 A Class R fuse)



FUSE CLIP KITS

Includes six clips and mounting hardware

Fuse Class	Fuse Clip Rating (A)		Cat. No.
	250V	600V	
H	30	—	1401-N41
	60	30	1401-N42
	—	60	1401-N43
	100	100	1401-N44
	200	200	1401-N45
	400	400	1401-N46
J	600	600	%%
	30	30	1401-N42
	60	60	1401-N43
	100	100	1401-N44
	200	200	1401-N45
	400	400	1401-N46
R	600	600	**
	30	—	1401-N50
	60	30	1401-N51
	—	60	1401-N52
	100	100	1401-N53
	200	200	1401-N54
	400	400	1401-N55
	600	600	%%

** Bolts directly to terminal. %% Included with Bulletin 1491 separately mounted fuse blocks.



ACCESSORIES

Auxiliary Contacts

(1) N.O. CONTACT

30 A...400 A – Cat. No. 1495-N8
600 A – Cat. No. 595-A

(1) N.C. CONTACT

30 A...400 A – Cat. No. 1495-N9
600 A – Cat. No. 595-B



Adapter Kits

DISCONNECT SWITCHES WITH RIGHT-HAND MECHANISM

30 A...400 A – No Adapter Kit required
600 A – Cat. No. 595-N1

DISCONNECT SWITCHES WITH LEFT-HAND MECHANISM

30 A...100 A – Cat. No. 1495-N24
200 A...400 A – Cat. No. 1495-N25
600 A – Cat. No. 595-N1

Protective Fuse Covers

Switch Rating	Fuse Class	Fuse Clip Rating		Cat. No.
		250V	600V	
30	Non-Fusible	–	–	1495-N64
30	H, R	30 A	–	
60	H, R	60 A	–	
30	J	30 A	30 A	
60	J	60 A	60 A	
60	Non-Fusible	–	–	
100	Non-Fusible	–	–	1495-N65
30	H, R	–	30 A	
60	H, R	–	60 A	
100	J	100 A	100 A	1495-N66
100	H, R	100 A	100 A	
200	Non-Fusible	–	–	1495-N67 *
200	H, J, R	200 A	200 A	1495-N67 *
200	Non-Fusible	–	–	1495-N62 ‡
200	H, J, R	200 A	200 A	1495-N62 ‡
400	Non-Fusible	–	–	1495-N68 *
400	H, J, R	400 A	400 A	1495-N68 *
400	Non-Fusible	–	–	1495-N63 ‡
400	H, J, R	400 A	400 A	1495-N63 ‡
600	Non-Fusible	–	–	1495-N61 *
600	J	600 A	600 A	1495-N61 *

* Switch with right-hand mechanism

‡ Switch with left-hand mechanism

Electrical Interlocks

(1) N.O. AND (1) N.C. – EARLY BREAK

DISCONNECT SWITCHES WITH RIGHT-HAND MECHANISM

30 A...100 A – Cat. No. 1495-N34
200 A...400 A – Cat. No. 1495-N43
600 A – Cat. No. 1495-N34*

DISCONNECT SWITCHES WITH LEFT-HAND MECHANISM

30 A...100 A – Cat. No. 1495-N37
200 A – Cat. No. 1495-N39
400 A – Cat. No. 1495-N41
600 A – Cat. No. 1495-N34*

(2) N.O. AND (2) N.C. – EARLY BREAK

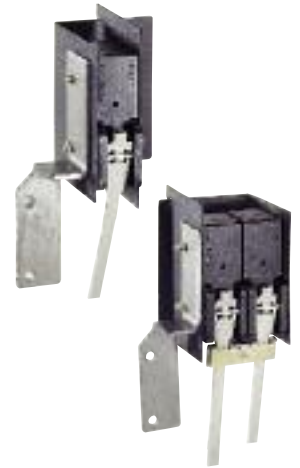
DISCONNECT SWITCHES WITH RIGHT-HAND MECHANISM

30 A...100 A – Cat. No. 1495-N35
200 A...400 A – Cat. No. 1495-N44
600 A – Cat. No. 1495-N35*

DISCONNECT SWITCHES WITH LEFT-HAND MECHANISM

30 A...100 A – Cat. No. 1495-N38
200 A – Cat. No. 1495-N40
400 A – Cat. No. 1495-N42
600 A – Cat. No. 1495-N35*

*Additional Adapter Kit Required – Cat. No. 1495-N36



Lug Connectors (3 per package)

30 A – #14...8 AWG Wire – Included with switch

60 A – #14...4 AWG Wire – Cat. No. 1494R-N1

100 A – #8...1/0 AWG Wire – Cat. No. 1494R-N2

200 A – #6...4/0 AWG Wire – Cat. No. 1494R-N3

200 A – #6...250 MCM Wire – Cat. No. 199-LFI*

400 A – (2) #1/0...250 MCM Wire – Cat. No. 1494R-N14

400 A – #4...500 MCM Wire – Cat. No. 1494R-N15*

600 A – (2) #1/0...350 MCM Wire – Cat. No. 1494R-N10

600 A – (2) #1/0...350 MCM Wire – Cat. No. 1494R-N11

(used with 1491-N621 or 1491-R621 600 A fuse blocks only)

* Oversized lugs; option code (D1)



Channel Support Kit

• 30 A...200 A – Cat. No. 1494V-H15

- Adds strength and rigidity to prevent flexing of the enclosure flange and mounting plate

• 400 A...600 A – Cat. No. 1494V-RB3 and 1494V-RB4

- Included with Connecting Rod Kits



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