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

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							3Ø, 50 Hz				
	200…208V	230V	460V	575V	115	230	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	*

* 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 (585)	1494V-RA4
400, 600	9-1/2 (241)	10	1494V-RB3 ▲
	9-1/2 (241)	23	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
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 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

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	—	1494V Disconnect Switches	1401-N41
	60	30		1401-N42
	—	60		1401-N43
	100	100		1401-N44
	200	200		1401-N45
	400	400		1401-N46
J	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
H, R	600	600		❖

✪ Fuse clips not required: fuse bolts directly to terminal. ❖ Included with Bulletin 1491 separately mounted fuse blocks.

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 right-hand mechanism	
DN	Non-fusible
DH	Class H fuse clips
DJ	Class J fuse clips
DR	Class R fuse clips
Switch with left-hand 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
633	600V; 30 A switch, 30 A clips
636	600V; 30 A switch, 60 A clips
263	250V; 60 A switch, 30 A clips
266	250V; 60 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, 400 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
261	250V & 600V; 60 A switch, 100 A clips
216	250V & 600V; 100 A switch, 60 A clips
211	250V & 600V; 100 A switch, 100 A clips
212	250V & 600V; 100 A switch, 200 A clips
221	250V & 600V; 200 A switch, 100 A clips
222	250V & 600V; 200 A switch, 200 A clips
224	250V & 600V; 200 A switch, 400 A clips
242	250V & 600V; 400 A switch, 200 A clips
244	250V & 600V; 400 A switch, 400 A clips
204	250V & 600V; 600 A switch, 400 A clips
206	250V & 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	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

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 3Ø, 60 Hz					AC 1Ø		DC*		IEC Applications Maximum kW (AC23) 3Ø, 50 Hz			Fuse Clip Rating (A)		Fuse Class	Switch with Right-Hand Mechanism		Switch with Left-Hand Mechanism	
																Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit	Fusible Disconnect Switch Kit	Non-Fusible Disconnect Switch Kit
	115V	200 … 208V	230V	460V	575V	115V	230V	125V	250V	220 … 240V	380 … 440V	500 … 600V	250V	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	H, J	1494V-DH633		1494V-DHX633	
													—	30	R	1494V-DR633		1494V-DRX633	
													60	—	H	1494V-DH236		1494V-DHX236	
													60	—	R	1494V-DR236		1494V-DRX236	
													—	60	H, J	1494V-DH636		1494V-DHX636	
													—	60	R	1494V-DR636		1494V-DRX636	
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	H, J	1494V-DH663		1494V-DHX663	
													—	30	R	1494V-DR663		1494V-DRX663	
													60	—	H	1494V-DH266		1494V-DHX266	
													60	—	R	1494V-DR266		1494V-DRX266	
													—	60	H, J	1494V-DH666		1494V-DHX666	
													—	60	R	1494V-DR666		1494V-DRX666	
													100	100	H, J	1494V-DH661		1494V-DHX661	
													100	100	R	1494V-DR661		1494V-DRX661	
100	—	25	30	60	75	—	—	—	20	22	45	55	—	60	H, J	1494V-DH616	1494V-DN100	1494V-DHX616	1494V-DNX100
													—	60	R	1494V-DR616		1494V-DRX616	
													100	100	H, J	1494V-DH611		1494V-DHX611	
													100	100	R	1494V-DR611		1494V-DRX611	
													—	200	J	1494V-DJX612		1494V-DJX612	
200	—	50…60	60	125	150	—	—	—	40	48	90	110	—	100	H, J	1494V-DH621	1494V-DN200	1494V-DHX621	1494V-DNX200
													—	100	R	1494V-DR621		1494V-DRX621	
													200	200	H, J	1494V-DH622		1494V-DHX622	
													—	200	R	1494V-DR622		1494V-DRX622	
													400	400	J	1494V-DJ624		1494V-DJX624	
400	—	75	125	250	350	—	—	—	50	90	185	250	—	200	H.,J	1494V-DH642	1494V-DN400	1494V-DHX642	1494V-DNX400
													—	200	R	1494V-DR642		1494V-DRX642	
													400	400	H,J	1494V-DH644		1494V-DHX644	
													400	400	R	1494V-DR644		1494V-DRX644	
600	—	150	200	400	500	—	—	—	50	150	295	375	—	400	H, J	1494V-DH604	1494V-DN600	1494V-DH604	1494V-DNX600
													—	400	R	1494V-DR604		1494V-DR604	
													600	600	H	1494V-DH606		1494V-DH606	
													600	600	R	1494V-DR606		1494V-DR606	
													—	600	J	1494V-DJ606		1494V-DJ606	

KIT OPTIONS

Disconnect Handles

Auxiliary Contact

Long Connecting Rod

Wire Connecting Lugs

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

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
Wire Connecting Lugs — Line and Load Side		D
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

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	–	–	
30	H, R	–	30 A	1495-N65
60	H, R	–	60 A	
100	J	100 A	100 A	
100	H, R	100 A	100 A	1495-N66
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	H, J, R	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…200 A – Cat. No. 1495-N34
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…200 A – Cat. No. 1495-N35
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

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

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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