

PRODUCT PROFILE

1494C CABLE-OPERATED, FLANGE-MOUNTED DISCONNECT SWITCHES

30...600 A
SWITCH RATINGS

Rockwell Automation expands its new line of Allen-Bradley Bulletin 1494C Cable-Operated, Flange-Mounted Disconnect Switches that meet industrial requirements for dependable disconnecting means. Now available in 30, 60, 100, 200, 400 and 600 A ratings, the Bulletin 1494C Disconnect Switches offer flexibility, ease of installation, and compact design.

TIME-SAVING

- Location of the switch and alignment with the handle is not required, resulting in faster installation

FLEXIBILITY

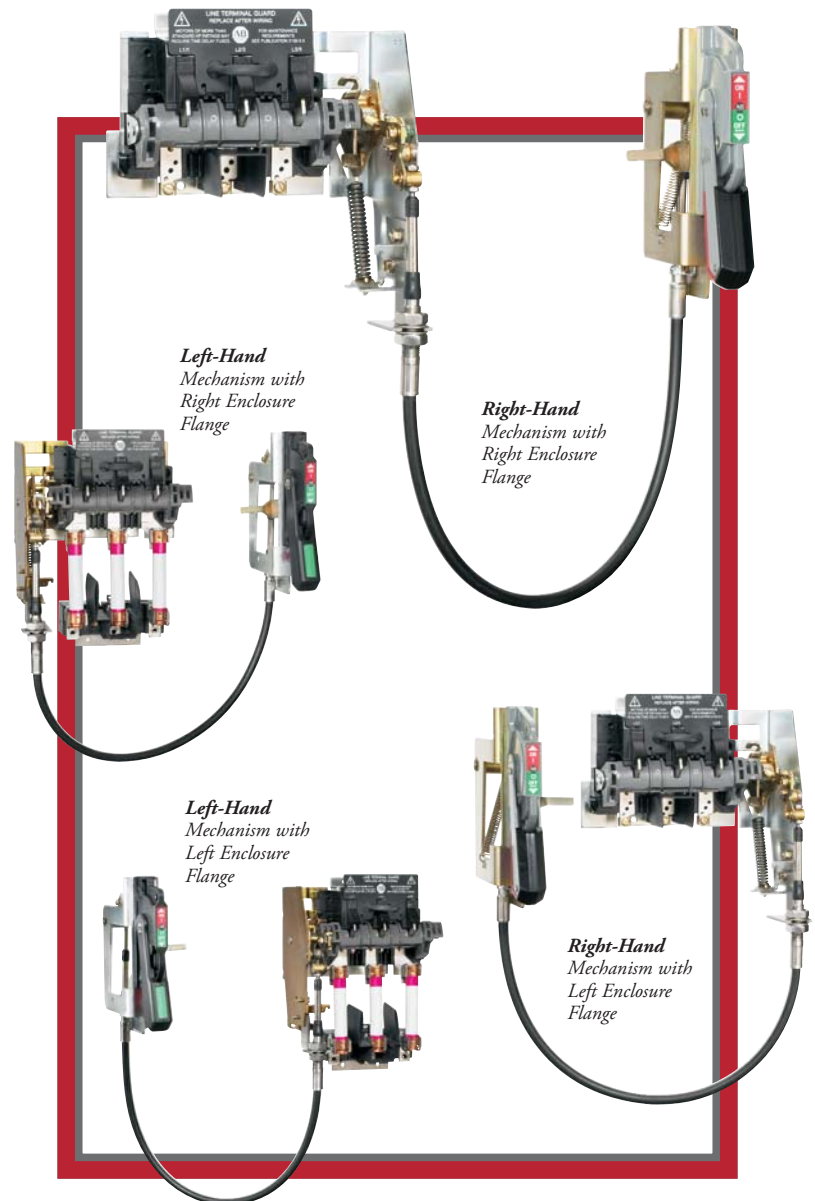
- Allows the user to mount and install the disconnect switch anywhere on the panel to maximize valuable space
- Available with 3, 4, 5, 6, and 10 ft. cable lengths

SAFER SOLUTION

- Highly visible switch blade
- Line-side shield, where power is typically present
- Protective covers for fuses and load wires
- Color-coded handle provides visual status if the switch is ON or OFF

VARIETY OF MOUNTING LOCATIONS

- Select a switch with a right-hand or left-hand mechanism
- Position the cable within the panel to meet your needs
- Handle can be installed on the right side or left side of the enclosure



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CONFIGURATION OF A CABLE OPERATED 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.

1494C – DR 233 – A4 – B – FF

a

b

c

d

a

DISCONNECT SWITCH	
Code	Description
1494C	Cable Operated 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, 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
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; 400 A switch, 600 A clips

d

OPTIONAL ACCESSORIES (FIELD INSTALLED)	
Code	Description
A3	3 Foot Cable ¹
A4	4 Foot Cable
A5	5 Foot Cable
A6	6 Foot Cable ²
A10	10 Foot Cable
B	Stainless Steel Handle
B1	Painted Metal Handle
D	Standard Size Line & Load Lugs
D1	Oversized Line & Load Lugs ³
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. + (1) N.C. Electrical Interlock
HH	(2) N.O. + (2) N.C. Electrical Interlock

* Maximum of (2) auxiliary contacts

¹ Only available with 30...100 A switches

² Only available with 200...600 A switches

³ Only available for 200 A and 400 A switches

DISCONNECT SWITCH COMPONENTS



Right-Hand Switch



Left-Hand Switch

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	1494F-D30	1494F-DX30
60	15	15	30	50	3	10	10	11	22	37	1494F-D60	1494F-DX60
100	25	30	60	75	—	—	20	22	45	55	1494F-D100	1494F-DX100
200	50...60	60	125	150	—	—	40	48	90	110	1494F-D200*	1494F-DX200*
400	75	125	250	350	—	—	50	90	185	257	1494F-D400	1494F-DX400
600	150	200	400	500	—	—	50	150	295	375	1494V-D600	1494V-D600**

*To install 400 A class J fuses adapter kit (1401-N171) is required.

** Must be converted in Field for left hand operation



CABLE MECHANISMS			
Disconnect Switch Size (A)	Cable Length ⁶	Right-Hand Cable Mechanisms	Left-Hand Cable Mechanisms
30, 60, 100	3 feet	1494C-CM1	1494C-CMX1
	4 feet	1494C-CM2	1494C-CMX2
	5 feet	1494C-CM3	1494C-CMX3
	10 feet	1494C-CM4	1494C-CMX4
200	4 feet	1494C-CM5	1494C-CMX5
	5 feet	1494C-CM6	1494C-CMX6
	6 feet	1494C-CM7	1494C-CMX7
	10 feet	1494C-CM8	1494C-CMX8
400	4 feet	1494C-CM9	1494C-CMX9
	5 feet	1494C-CM10	1494C-CMX10
	6 feet	1494C-CM11	1494C-CMX11
	10 feet	1494C-CM12	1494C-CMX12
600	4 feet	1494C-CM13	1494C-CMX13
	5 feet	1494C-CM14	1494C-CMX14
	6 feet	1494C-CM15	1494C-CMX15
	10 feet	1494C-CM16	1494C-CMX16

⁶ Minimum diater for the cable loop between switch and handle: 30...100 A switch is 12 in. 200...600 A switch is 16 in.

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	1494F-M2
			30, 60, 100, 200	1494F-S1
Type 4, 4X	Stainless Steel	Right or Left Flange	400	1494F-S2



FUSE CLIP KITS			
Includes six clips and mounting hardware			
Fuse Class	Fuse Clip Rating (A)		Catalog Number
	250V	600V	
H	60	30	1401-N42
	—	60	1401-N43
	100	100	1401-N44
	200	200	1401-N45
	400	400	1401-N46
	600	600	% %
J	30	30	1401-N42
	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	∴

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	1494-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) ♦



♦ Separately mounted fuse blocks

♦ Bolts directly to terminal

∴ Included with Bulletin 1491 separately mounted fuse blocks

BASIC KIT



Bulletin 1494C Kit Accessories (optional) — Field Installed

Continuous Current Rating (A) 600V AC 250V DC	3Ø, 60 Hz					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					AC 1Ø		DC*		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	115V	230V	125V	250V	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	11	15	30	—	H	1494C-DH233*	1494C-DN30*	1494C-DHX233*	1494C-DNX30*
													30	—	R	1494C-DR233*		1494C-DRX233*	
													30	—	J	1494C-DJ233*		1494C-DJX233*	
													—	30	H	1494C-DH633*		1494C-DHX633*	
													—	30	R	1494C-DR633*		1494C-DRX633*	
													—	30	J	1494C-DJ633*		1494C-DJX633*	
													60	—	H	1494C-DH236*		1494C-DHX236*	
													60	—	R	1494C-DR236*		1494C-DRX236*	
													60	—	J	1494C-DJ236*		1494C-DJX236*	
													—	60	H	1494C-DH636*		1494C-DHX636*	
													—	60	R	1494C-DR636*		1494C-DRX636*	
													—	60	R	1494C-DJ636*		1494C-DJX636*	
60	7.5	15	15	30	50	3	10	5	10	11	22	37	30	—	H	1494C-DH263*	1494C-DN60*	1494C-DHX263*	1494C-DNX60*
													30	—	R	1494C-DR263*		1494C-DRX263*	
													30	—	J	1494C-DJ263*		1494C-DJX263*	
													—	30	H	1494C-DH663*		1494C-DHX663*	
													—	30	R	1494C-DR663*		1494C-DRX663*	
													—	30	J	1494C-DJ663*		1494C-DJX663*	
													60	—	H	1494C-DH266*		1494C-DHX266*	
													60	—	R	1494C-DR266*		1494C-DRX266*	
													60	—	J	1494C-DJ266*		1494C-DJX266*	
													—	60	H	1494C-DH666*		1494C-DHX666*	
													—	60	R	1494C-DR666*		1494C-DRX666*	
													—	60	J	1494C-DJ666*		1494C-DJX666*	
													100	100	H	1494C-DH661*		1494C-DHX661*	
													100	100	R	1494C-DR661*		1494C-DRX661*	
													100	100	J	1494C-DJ661*		1494C-DJX661*	
100	—	25	30	60	75	—	—	—	20	22	45	55	60	—	H	1494C-DH216	1494C-DN100*	1494C-DHX216	1494C-DNX100*
													60	—	R	1494C-DR216		1494C-DRX216	
													60	—	J	1494C-DJ216		1494C-DJX216	
													—	60	H	1494C-DH616		1494C-DHX616	
													—	60	R	1494C-DR616		1494C-DRX616	
													—	60	J	1494C-DJ616		1494C-DJX616	
													100	—	H	1494C-DH211		1494C-DHX211	
													100	—	R	1494C-DR211		1494C-DRX211	
													100	—	J	1494C-DJ211		1494C-DJX211	
													—	100	H	1494C-DH611		1494C-DHX611	
													—	100	R	1494C-DR611		1494C-DRX611	
													—	100	J	1494C-DJ611		1494C-DJX611	
—	200	J	1494C-DJ612	1494C-DJX612															

***To complete the Kit, select the Cable Mechanism Code listed below.**

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				Fusible Disconnect Switch Kit		Non-Fusible Disconnect Switch Kit																
						Cat. No.	Cat. No.	Cat. No.	Cat. No.																									
200	—	50...60	60	125	150	—	—	—	40	48	90	110	100	—	H	1494C-DH221*	1494C-DN200*	1494C-DHX221*	1494C-DNX200*															
													100	—	R	1494C-DR221*		1494C-DRX221*																
													100	—	J	1494C-DJ221*		1494C-DJX221*																
													—	100	H	1494C-DH621*		1494C-DHX621*																
													—	100	R	1494C-DR621*		1494C-DRX621*																
													—	100	J	1494C-DJ621*		1494C-DJX621*																
													200	—	H	1494C-DH222*		1494C-DHX222*																
													200	—	R	1494C-DR222*		1494C-DRX222*																
													200	—	J	1494C-DJ222*		1494C-DJX222*																
													—	200	H	1494C-DH622*		1494C-DHX622*																
													—	200	R	1494C-DR622*		1494C-DRX622*																
													—	200	J	1494C-DJ622*		1494C-DJX622*																
													—	400	J	1494C-DJ624*		1494C-DJX624*																
													400	—	75	125		250		300	—	—	—	50	90	185	259	200	—	H	1494C-DH242*	1494C-DN400*	1494C-DHX242*	1494C-DNX400*
200	—	R	1494C-DR242*	1494C-DRX242*																														
200	—	J	1494C-DJ242*	1494C-DJX242*																														
—	200	H	1494C-DH642*	1494C-DHX642*																														
—	200	R	1494C-DR642*	1494C-DRX642*																														
—	200	J	1494C-DJ642*	1494C-DJX642*																														
400	—	H	1494C-DH244*	1494C-DHX244*																														
400	—	R	1494C-DR244*	1494C-DRX244*																														
400	—	J	1494C-DJ244*	1494C-DJX244*																														
—	400	H	1494C-DH644*	1494C-DHX644*																														
—	400	R	1494C-DR644*	1494C-DRX644*																														
—	400	J	1494C-DJ644*	1494C-DJX644*																														
600	—	150	200	400	500	—	—	—	50	150	295	375					400		—									H	1494C-DH204*	1494C-DN600*	1494C-DHX204*		1494C-DNX600*	
																	400		—									R	1494C-DR204*		1494C-DRX204*			
													400	—	J	1494C-DJ204*	1494C-DJX204*																	
													—	400	H	1494C-DH604*	1494C-DHX604*																	
													—	400	R	1494C-DR604*	1494C-DRX604*																	
													—	400	J	1494C-DJ604*	1494C-DJX604*																	
													600	—	H	1494C-DH206*	1494C-DHX206*																	
													600	—	R	1494C-DR206*	1494C-DRX206*																	
													600	—	J	1494C-DJ206*	1494C-DJX206*																	
													—	600	H	1494C-DH606*	1494C-DHX606*																	
													—	600	R	1494C-DR606*	1494C-DRX606*																	
													—	600	J	1494C-DJ606*	1494C-DJX606*																	

KIT OPTIONS



Cable Mechanisms

CABLE MECHANISM CODE

Bulletin 1494C Cable Mechanism Code	
Description	Suffix Code ³
3 Foot Cable	A3 ¹
4 Foot Cable	A4
5 Foot Cable	A5
6 Foot Cable	A6 ²
10 Foot Cable	A10

Select the desired cable length to complete the catalog number on previous page.

Example
1494C-DH633 with a 4-foot cable = 1494C-DH633-A4

¹ Only available with 30...100 A switches

² Only available with 200 A...600 A switches

³ Minimum diameter for the cable loop between the switch and handle:
30...100 A switch is 12 in.
200...600 A switch is 16 in.

KIT ACCESSORIES – OPTIONAL

Bulletin 1494C Kit Accessories (optional) — Field Installed		
Description	Suffix Code	
Disconnect Handle — Stainless Steel Type 4, 4X	B	
Disconnect Handle — Painted Metal Type 1, 3R, 4, 12	B1	
Wire Connecting Lugs — Line and Load Side — Standard size Lugs	D	
Wire Connecting Lugs — Line and Load Side — Over sized Lugs (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
1494C-DH233-A4-D-E Basic 30 A fusible disconnect switch with 4-foot cable, non-metallic handle, line and load lugs, fuse cover



Disconnect Handles



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



Auxiliary Contact



Protective Fuse Cover with Door



Wire Connecting Lugs

Allen-Bradley Spares

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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