

Cable-Operated Disconnect Switches

Product Selection — Disconnect Switch Components

Disconnect Switches

Cont. 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 for Right-Hand Mechanism	Switch for Left-Hand Mechanism
	3-Phase, 60 Hz				115	230		3-Phase, 50 Hz			Cat. No. Switch Only	Cat. No. Switch Only
	200...208V	230V	460V	575V			220...240V	380...440V	500...600V			
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-DS600 ‡	1494V-DS600

* Also rated operational current for utilization categories AC-20 and AC-21 (IEC 408).

‡ 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.

Cable Mechanisms

Disconnect Switch Size [A]	Cable Length [ft]	Right-Hand Cable Mechanisms	Left-Hand Cable Mechanisms
		Cat. No.	Cat. No.
30, 60, 100	3	1494C-CM1	1494C-CMX1
	4	1494C-CM2	1494C-CMX2
	5	1494C-CM3	1494C-CMX3
	10	1494C-CM4	1494C-CMX4
200	4	1494C-CM5	1494C-CMX5
	5	1494C-CM6	1494C-CMX6
	6	1494C-CM7	1494C-CMX7
	10	1494C-CM8	1494C-CMX8
400	4	1494C-CM9	1494C-CMX9
	5	1494C-CM10	1494C-CMX10
	6	1494C-CM11	1494C-CMX11
	10	1494C-CM12	1494C-CMX12
600	4	1494C-CM13	1494C-CMX13
	5	1494C-CM14	1494C-CMX14
	6	1494C-CM15	1494C-CMX15
	10	1494C-CM16	1494C-CMX16

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	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
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		▶	

▲ Fuse clips not required: fuse bolts directly to terminal.

▶ Included with Bulletin 1491 separately mounted fuse blocks.

Cable-Operated Disconnect Switches

Product Overview/Cat. No. Explanation



Bulletin 1494C — Cable-Operated Disconnect Switches

Allen-Bradley Bulletin 1494C cable-operated, flange-mounted disconnect switches that meet industrial requirements for dependable disconnecting means.

- 30...600 A ratings
- Available with 3, 4, 5, 6, and 10 ft cable lengths
- Can accommodate Class H, J, and R fuses
- Precise alignment of the switch with respect to the handle is not required resulting in faster installation
- 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

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Standards Compliance

UL 98
 CSA C22.2, No. 4

Certifications

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

Catalog Number Explanation

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	
30...600 A Switch with Right-Hand Mechanism	
Code	Description
DN	Non-fusible
DH	Class H fuse clips
DJ	Class J fuse clips
DR	Class R fuse clips
30...600 A Switch with Left-Hand Mechanism	
Code	Description
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
633	600V, 30 A switch 30 A clips
666	600V, 60 A switch 60 A clips
611	250V & 600V, 100 A switch 100 A clips
622	250V & 600V, 200 A switch 200 A clips
644	250V & 600V, 400 A switch 400 A clips
606	600V, 600 A switch 600 A clips

d

Accessories (field installed)	
Code	Description
A3	3 ft. cable*
A4	4 ft. cable
A5	5 ft. cable
A6	6 ft. cable*
A10	10 ft. cable
B	Stainless steel handle
B1	Painted metal 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 N.C. electrical interlock
HH	(2) N.O. and N.C. electrical interlock

* Only available with 30...100 A switches
 * Only available with 200...600 A switches
 ‡ Maximum of (2) auxiliary contacts
 § Only available for 200 & 400 A switches
 * Only available for 60...600 A switches (lugs included on 30 A switches as standard)

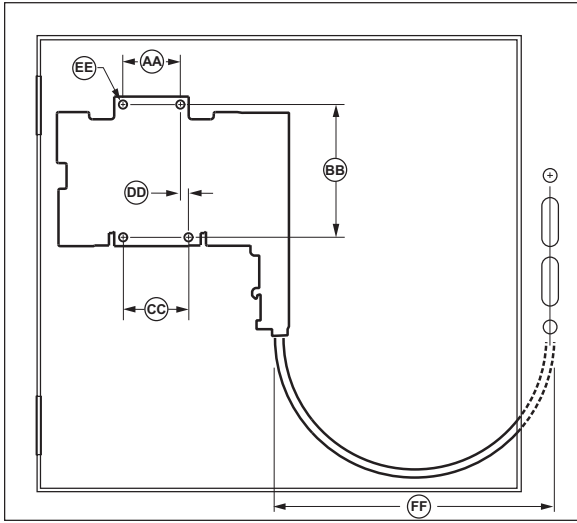
NEMA Disconnect Switches

Approximate Dimensions

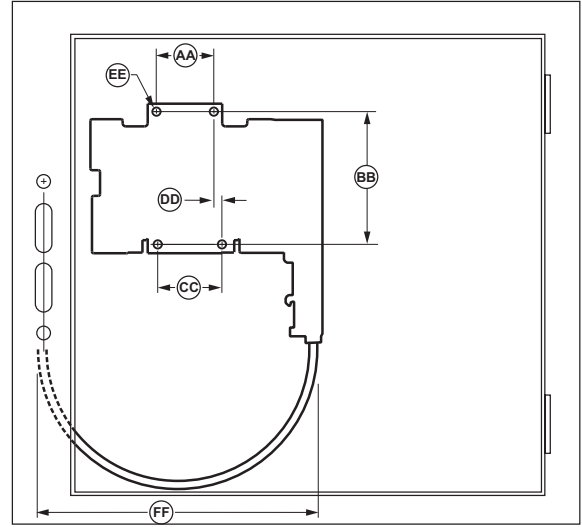
Approximate dimensions are shown in inches (millimeters). Dimensions are not intended to be used for manufacturing purposes.

Bulletin 1494C

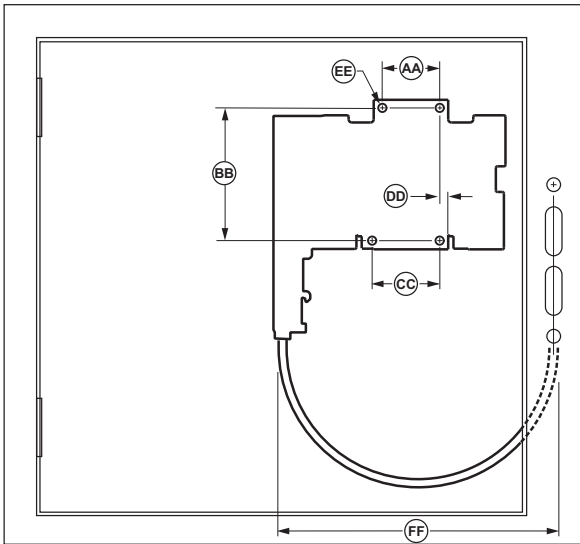
1



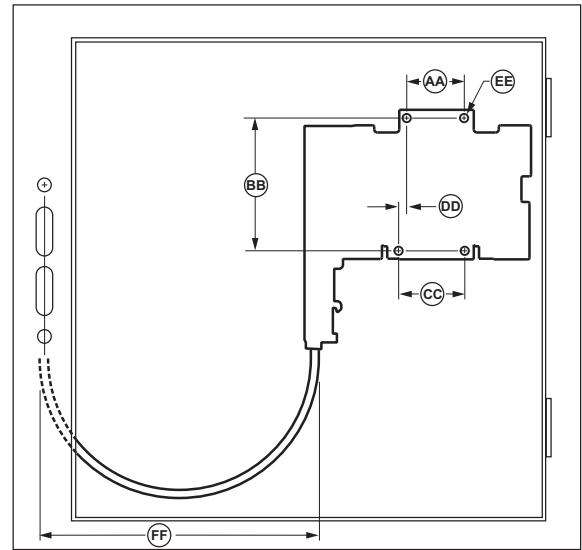
Enclosure with Right Hand Flange



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)	—	11/64 (4.37)	12 (304.8)
60	2-1/4 (57.2)	5-1/4 (133.4)	2-1/4 (57.2)	—	11/64 (4.37)	12 (304.8)
100	2-1/4 (57.2)	5-1/4 (133.4)	2-1/4 (57.2)	—	11/64 (4.37)	12 (304.8)
200	2 (50.8)	8-1/4 (209.6)	4-1/4 (108)	1-1/8 (28.6)	7/32 (5.56)	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)

