

Product Details and Certifications

Cross Reference RA Part Number: 1494F-D400-NP D



Product: **1494F-D400-NP**

Description: 1494F Cable-Operated Disconnect Switch, 400A



Representative Photo Only (actual product may vary based on configuration sections)

SYSTEM DATA

Bulletin	1494F- Disconnect Switch
Voltage	600V
Disconnect Sw Type	Fixed-Depth Disconnect Switch
Number of Poles	3 Poles
Fuse Versions	Non - Fuse Clips
Fuse Accomodations	Class H, J, and R
Rated Current (A)	400A
Enclosure Types	1, 3R, and 12

MANUFACTURING

Assembly	Factory Assembled
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CERTIFICATIONS AND APPROVALS

UL

CSA

CE



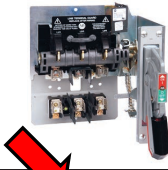

For UL Certifications Directory:

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/IFRAME/index.htm>

NEMA Disconnect Switches and Circuit Breaker Mechanisms



Product Overview

Disconnect Switches




				
Bulletin	1494V	1494C	1494F	1494R
Description	Variable depth rod operated	Variable depth cable operated	Fixed depth	Variable depth rod operated
Panel Mounting Location	Flange mounted	Flange mounted	Flange mounted	Door mounted
Switch Ratings	30...600 A	30...600 A	30...200 A	30...200 A
Fuse Versions	Fusible & non-fusible	Fusible & non-fusible	Fusible & non-fusible	Fusible & non-fusible
Fuse Accommodations	Class H, J, and R	Class H, J, and R	Class H, J, and R	Class H, J, K, and R
For Use with Enclosure Types	1/3R/4/4X/12	1/3R/4/4X/12	1, 3R, and 12	1 and 12
Safety Feature – Visible Blade Construction	✓	✓	✓	✓
200 kA A.I.C. With Proper Fusing	✓	✓	✓	✓
NFPA 79 Compliant — Handle Always Linked to the Switch	✓	✓	✓	—
Product Selection	Page 1-207	Page 1-210	Page 1-212	Web‡

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Circuit Breaker Mechanisms

		
Bulletin	1494V	1494D
Description	Variable Depth Rod Operated	Fixed Depth Rod Operated
Panel Mounting Location	Flange mounted	Flange mounted
Circuit Breaker Frame Size	up to 400 A	150...1200 A
For Use with Circuit Breaker Brands	<ul style="list-style-type: none"> Allen-Bradley (140-U, 140-M) Cutler-Hammer 	<ul style="list-style-type: none"> Allen-Bradley (140-U, 140-M) Cutler-Hammer
For Use with Enclosure Types	1/3R/4/4X/12	1 and 12
Handle always linked to the circuit breaker	✓	✓
Product Selection	Page 1-213	Web‡

Safety Disconnect Switches

			
Bulletin	1494G	1494H	1494HL
Description	Industrial Duty	Heavy Duty	General Duty
Panel Mounting Location	Flange-mounted handle	Side-mounted handle	Side-mounted handle
Switch Ratings	30...600 A @ 600V AC	30...200 A @ 600V AC	30...200 A @ 240V AC
Fuse Versions	Fusible & non-fusible	Fusible & non-fusible	Fusible & non-fusible
Fuse Accommodations	Class H, J, and R	Class H, J, and R	Class H, J, and R
For Use with Enclosure Types	3R/4/12 and 4/4X	1, 3R, and 12	1 and 3R
Safety Feature – Visible Blade Construction	✓	✓	✓
200 kA A.I.C. With Proper Fusing	✓	✓	✓
NFPA 79 Compliant — Handle Always Linked to the Switch	✓	✓	✓
Product Selection	Page 1-216	Page 1-221	Page 1-221

‡ Information for this product line is available on the Industrial Controls Catalog website: www.ab.com/catalogs.

Fixed-Depth Flange-Mounted Disconnect Switches

Overview/Product Selection



Bulletin 1494F— Fixed-Depth Flange-Mounted Disconnect

- Industrial rated disconnects. Pre-assembled switch, mechanism, and handle on a mounting bracket for use in flange constructed enclosures.
- 3-pole, 600V AC rating
 - 30, 60, 100, and 200 A ratings
 - Same switch used for fusible and non-fusible applications
 - Few catalog numbers to choose from, that accommodate a wide range of fuse clip types (Class H, J, and R)
 - Accessories field installed
 - NFPA 79 Compliant — Disconnect switch linked to the handle at all times
 - Visible blade construction for safety
 - Right-hand flange operation
 - Standard painted metal handle for Type 1, 3R, and 12, environments
 - Lockable handle

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Standards Compliance

UL 98

CSA C22.2, No. 4

Certifications

UL Listed (File No. E47426, Guide No. WHTY)

CSA Certified (File No. LR1234)

CE Certified

Catalog Explanation

1494F - D 400 NP ←

a b c d

a

Bulletin Number	
Code	Description
1494F	Fixed-Depth Disconnect Switch

d

Options	
Code	Description
NP	Non Pack

b

Fusing	
30...600 A Switch with Right-Hand Mechanism	
Code	Mode
D	Non - Fuse Clips

c

Fuse and Switch Rating	
Non - Fuse	
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

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	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-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

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.

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