





## NEMA Non-Combination Contactors/Starters and Combination Contactors/Starters

## Enclosure Accessories

For use on Bulletins 500, 500F, 500L, 500LP, 502, 502L, 503, 503L, 505, 505V, 506, 506X, 507, 507X, 509, 512, 512H, 512M, 512V, 513, 513H, 513M, 513V, 520, 520V, 522, 523, 530, 532, 533, 540, 542, 543, 570, 572, 573, 1242, 1243, 1272, 1273, 1282, 1283, 1232X, 1232V, 1233X, and 1233V

Description		Enclosure Type	NEMA Size	Cat. No.
	<b>Non-metallic Conduit Connectors</b>	4, 4X (stainless steel and non-metallic)	0...1	1490-N1
	1/2 in. (12.7 mm)			1490-N9
	3/4 in. (19 mm)			1490-N10
	1 in. (24.5 mm)			1490-N11
	1-1/4 in. (31.75 mm)			1490-N5
	1-1/2 in. (38.1 mm)			1490-N6
	2 in. (50.8 mm)			1490-N7
	2-1/2 in. (63.5 mm)			1490-N8
3 in. (76.2 mm)				
	<b>Grounding Adapters</b>	4, 4X (stainless steel and non-metallic)*	0...1	1490-N19
	1/2 in. (12.7 mm), #14...10 AWG			1490-N20
	3/4 in. (19 mm), #14...8 AWG			1490-N21
	1 in. (24.5 mm), #14...8 AWG			1490-N22
	1-1/4 in. (31.75 mm), #14...4 AWG			1490-N23
	1-1/2 in. (38.1 mm), #8...1/0 AWG			1490-N24
	2 in. (50.8 mm), #8...1/0 AWG			1490-N25
	2-1/2 in. (63.5 mm), #6...2/0 AWG			1490-N26
3 in. (76.2 mm), #6...4/0 AWG				
	<b>Handle Kits with Universal Link for Switch and Breaker</b>	1, 3R, 3R/4/12*	0...4	1494F-M1
	Painted Metal 5-1/2 in. base			1494F-M2
	Painted Metal 7-1/2 in. base	4/4X (stainless steel)	0...4	1494F-S1
	Stainless Steel 5-1/2 in. base			1494F-S2
	Stainless Steel 7-1/2 in. base			
Nonmetallic Handle 5-1/2 in. base	1, 3R, 3R/4/12, 4/4X (non-metallic)	0...4	1494F-P1	
	<b>Hole Plugs</b>	All	0...5	800T-N1
	30.5 mm hole plug for pilot devices			598-N1
	19.5 mm hole plug for resets and door safety hardware			

\* For combination starters only.

\* Bulletin 1490 grounding adapters are available for use with these conduit hubs. These bushings provide a convenient method of connecting a ground wire to the conduit system. See conduit connector (hub) above proper size.

# Variable-Depth Flange-Mounted Disconnect Switches

## Product Selection — Disconnect Switch Components

### Disconnect Switches

Continuous 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 with Right-Hand Mechanism	Switch with Left-Hand Mechanism
	3-Phase, 60 Hz							3-Phase, 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	‡ 1494V-DS600

\* 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.

### 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
	6-3/4 (172)	21-5/8 (549)	1494V-RA4
400, 600	9-1/2 (241)	10 (254)	▶ 1494V-RB3
	9-1/2 (241)	23 (584)	▶ 1494V-RB4

\* Enclosure depth is measured from the top of the flange to the disconnect switch mounting surface (mm).

▶ Kit includes two connecting rods.

### 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
	600	600		§
J	30	30	1494C, 1494F, 1494G, 1494M, 1494V Disconnect Switches	1401-N42
	60	60		1401-N43
	100	100		1401-N44
	200	200		1401-N45
	400	400		1401-N46
R	600	600	1494C, 1494F, 1494G, 1494M, 1494V Disconnect Switches	▲
	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 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	<b>1494F-D30</b>	<b>1494F-DX30</b>
60	15	15	30	50	3	10	10	11	22	37	<b>1494F-D60</b>	<b>1494F-DX60</b>
100	25	30	60	75	—	—	20	22	45	55	<b>1494F-D100</b>	<b>1494F-DX100</b>
200	50...60	60	125	150	—	—	40	48	90	110	<b>1494F-D200</b>	<b>1494F-DX200</b>
400	75	125	250	350	—	—	50	90	185	257	<b>1494F-D400</b>	1494F-DX400
600	150	200	400	500	—	—	50	150	295	375	<b>1494V-DS600</b> ‡	<b>1494V-DS600</b>

\* 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	<b>1494C-CM1</b>	<b>1494C-CMX1</b>
	4	<b>1494C-CM2</b>	<b>1494C-CMX2</b>
	5	<b>1494C-CM3</b>	<b>1494C-CMX3</b>
	10	<b>1494C-CM4</b>	1494C-CMX4
200	4	<b>1494C-CM5</b>	<b>1494C-CMX5</b>
	5	<b>1494C-CM6</b>	1494C-CMX6
	6	<b>1494C-CM7</b>	<b>1494C-CMX7</b>
	10	<b>1494C-CM8</b>	1494C-CMX8
400	4	<b>1494C-CM9</b>	<b>1494C-CMX9</b>
	5	<b>1494C-CM10</b>	1494C-CMX10
	6	<b>1494C-CM11</b>	1494C-CMX11
	10	<b>1494C-CM12</b>	1494C-CMX12
600	4	<b>1494C-CM13</b>	1494C-CMX13
	5	1494C-CM14	1494C-CMX14
	6	<b>1494C-CM15</b>	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	<b>1494F-P1</b>
Type 1, 3R, 4, 12	Painted Metal	Right or Left Flange	30, 60, 100, 200	<b>1494F-M1</b>
			400, 600	<b>1494F-M2</b>
Type 4, 4X	Stainless Steel	Right or Left Flange	30, 60, 100, 200	<b>1494F-S1</b>
			400, 600	<b>1494F-S2</b>

### 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	<b>1494V-FS30</b>
60	<b>1494V-FS60</b>
100	<b>1494V-FS100</b>
200	‡ <b>1494V-FS200</b>
400	<b>1494V-FS400</b>
600 — 600 A Class J fuse	<b>1494V-FS600</b>
600 — 400 A Class H, J, and R fuse	<b>1494V-FSV400</b>
600 — 600 A Class H fuse	‡ 1491-N621
600 — 600 A Class R fuse	‡ <b>1491-R621</b>

‡ 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	<b>1401-N41</b>
	60	30		<b>1401-N42</b>
	—	60		<b>1401-N43</b>
	100	100		<b>1401-N44</b>
	200	200		<b>1401-N45</b>
	400	400		<b>1401-N46</b>
J	600	600		▶
	30	30		<b>1401-N42</b>
	60	60		<b>1401-N43</b>
	100	100		<b>1401-N44</b>
	200	200		<b>1401-N45</b>
	400	400		<b>1401-N46</b>
R	600	600		▲
	30	—		<b>1401-N50</b>
	60	30		<b>1401-N51</b>
	—	60		<b>1401-N52</b>
	100	100		<b>1401-N53</b>
	200	200		<b>1401-N54</b>
	400	400		<b>1401-N55</b>
600	600		▶	

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

▶ Included with Bulletin 1491 separately mounted fuse blocks.

