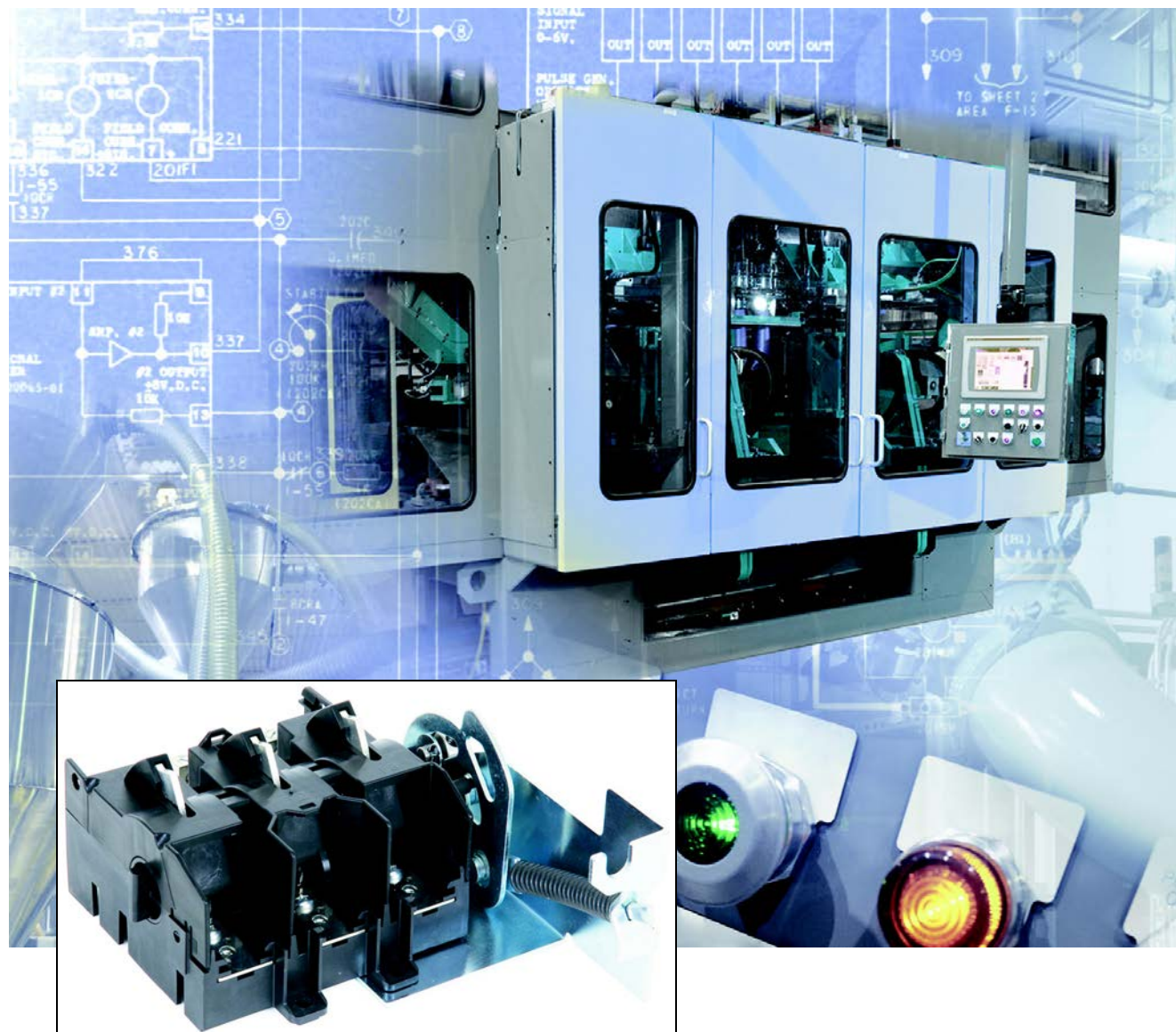


1494U Visible-Blade Disconnect Switch

Bulletin Number 1494U



LISTEN.
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SOLVE.

What's Inside

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Summary of Changes

This publication contains new and updated information as indicated in the following table.

Topic	Page
Added footnote about aluminum lugs provided with disconnect switch	3
Added electrical interlock	4
Added per package information for lugs	4
Added wire information to line terminal adapters	4

1494U Disconnect Switch Components

Disconnect Switches ^①

Continuous Current Rating [A] 600V AC 600V DC	Maximum Hp - UL and CSA Applications					1-Phase, AC		DC ②	Maximum kW - IEC Applications (Category AC 23)			Switch with Right-Hand Mechanism Cat. No.
	3-Phase, 60 Hz								3-Phase, 50 Hz			
	115V	200...208V	230V	460V	575V	115V	230V		600V	220...240V	380...440V	
30	3	7.5	7.5	15	20	2	3	15	5.5	11	15	1494U-D30
60	7.5	15	15	30	50	3	10	30	11	22	37	1494U-D60
100	—	25	30	60	75	—	—	50	22	45	55	1494U-D100

① Aluminum lugs are installed on the line side of each disconnect switch. Additional aluminum lugs are included with each disconnect switch that are to be field-installed on the load side of the switch or on the fuse block.

② Ratings are based on using two poles in series to break one line of the DC supply voltage and the remaining pole breaking the second DC supply line.

Connecting Rods

Approximate dimensions are not intended for manufacturing purposes.

Disconnect Switch Size [A]	Enclosure Working Depth [in. (mm)] ^③		Cat. No.
	Minimum	Maximum	
30, 60, 100	6-3/4 (172)	19 (483)	1494U-R1

③ Enclosure working depth is measured from the top of the flange to the disconnect switch mounting surface.
NOTE: For enclosure depths greater than 19 in., but less than 23 in., select Cat. No. 1494V-RA4.

Cable Mechanism

Disconnect Switch Size [A]	Cable Length [ft (m)]	Right-Hand Cable Mechanism Cat. No.
30, 60, 100	3 (0.91)	1494U-C313
	4 (1.22)	1494U-C314
	5 (1.52)	1494U-C315
	6 (1.83)	1494U-C316

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	1494U-HP1
Type 1, 3R, 4, 12	Painted Metal			1494U-HM1
Type 4, 4X	Stainless Steel			1494U-HS1

Trailer Fuse Block Kits

Disconnect Switch Size [A]	Cat. No.
30	1494U-F30
60	1494U-F60
100	1494U-F100

Fuse Clip Kits

Fuse Class	Fuse Clip Rating [A]		Cat. No.
	250V	600V	
H/J	30	—	1494U-FC302J
	60	30	1494U-FC30J
	—	60	1494U-FC60J
	100	100	1494U-FC100J
R	30	—	1494U-FC302R
	60	30	1494U-FC30R
	—	60	1494U-FC60R
	100	100	1494U-FC100R

1494U Disconnect Switch Accessories

Auxiliary Contacts

Description	Cat. No.
1 N.O., 10 A rated, A600, Q600, standard contact	1494U-NO
1 N.C., 10 A rated, A600, Q600, standard contact	1494U-NC
1 N.O. low voltage, 2.5 A rated, C300, R150, quad-connect contact	1494U-NOLV
1 N.C. low voltage, 2.5 A rated, C300, R150, quad-connect contact	1494U-NCLV
Electrical Interlock: 2 N.O., 10 A rated, 250V AC/DC	1494U-AE

Protective Covers

Disconnect Switch Size [A]	Fuse Class	Fuse Clip Rating [A]		Fuse Clip Cat. No.	Fuse Cover Cat. No.
		250V	600V		
30, 60, 100	Non-fusible	—	—	—	1494U-PC1
30	H, J	30	—	1494U-F302J	
30	R	30	—	1494U-F302R	
30	H, J	—	30	1494U-FC30J	
60	H, J	—	60	1494U-FC60J	
100	H, J	—	100	1494U-FC100J	1494U-PC2
30	R	—	30	1494U-FC30R	
60	R	—	60	1494U-FC60R	
100	R	—	100	1494U-FC100R	

Adapters

Description	Cat. No.
Line Terminal Adapter (2 per package) - Terminals are connected to L1 and L2 to provide power even when the switch is de-energized. Wire Size: #14...8 AWG, copper	1494U-ALT31
Cross Bar Adapter - The adapter attaches to the 1494U switch so that it can retrofit in existing 1494V and 1494C switch installations.	1494U-AC

Lug Connectors (3 per package)

Disconnect Switch Size [A]	Description	Wire Size	Cat. No.
30...60	Aluminum, 1 port	(1) #14...2 AWG, copper-aluminum (2) #14...10 AWG, copper (2) #12...10 AWG, aluminum	1494U-LA36
100	Aluminum, 1 port	(2) #12...4 AWG, copper-aluminum (1) #14...1/0 AWG, copper (1) #12...1/0 AWG, aluminum	1494U-LA100
30...100	Aluminum, 6 port	(1) #14...4 AWG, copper (1) #12...4 AWG, aluminum (2) #10 AWG, copper-aluminum	1494U-LM31
30...60	Copper, 1 port	(1) #14...4 AWG, copper (2) #14...8 AWG, copper (4) #16 AWG, copper	1494U-LC36
100	Copper, 1 port	(1) #8...1/0 AWG, copper	1494U-LC100

Hardware Kits

Description	Cat. No.
For 30...100 A Disconnect Switches- The kit includes (4) mounting screws and (1) line-side shield.	1494U-K31
For 30...100 A Fuse Blocks- The kit includes (2) mounting screws and (2) phase barriers.	1494U-PB31

1494U Disconnect Switch Kits

$$\frac{1494U}{a} - \frac{R}{b} - \frac{30}{c} - \frac{C3}{d}$$

a

Bulletin	
1494U	Disconnect switch, rod or cable operated ❶

❶ Aluminum lug/line kits are provided with each disconnect switch.

b

Fusing	
Code	Description
N	Non-fusible
J	Class J clips
R	Class R clips

c

Switch and Fuse Rating	
Code	Description
Non-fusible (N)	
30	30 A switch
60	60 A switch
100	100 A switch
Fusible (J or R)	
30	600V, 30 A switch, 30 A clips
60	600V, 60 A switch, 60 A clips
100	600V, 100 A switch, 100 A clips

d

Accessories	
Code	Description
CR	Threaded rod (19 in. maximum)
C3	Cable length — 3 ft
C4	Cable length — 4 ft
C5	Cable length — 5 ft
C6	Cable length — 6 ft
M	Painted metal handle
N	Non-metallic handle
NO	(1) N.O. auxiliary contact — 10 A
NC	(1) N.C. auxiliary contact — 10 A
PC	Protective cover — for line and load
S	Stainless steel handle

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